

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073023.D
 Acq On : 14 May 2022 08:10
 Operator : VA/SY
 Sample : N2823-09
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-9

Quant Time: May 16 05:21:49 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)

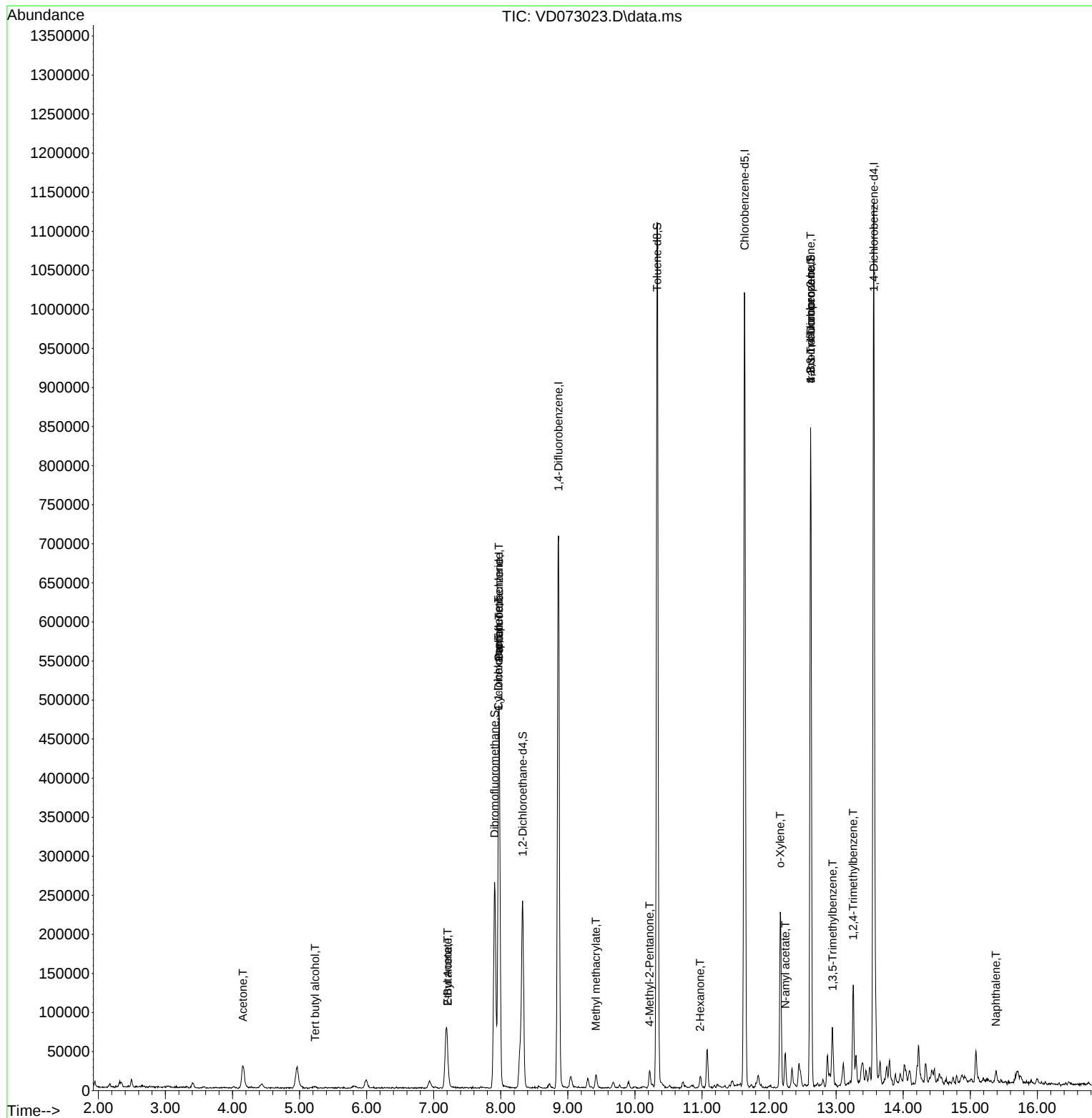
Internal Standards						
1) Pentafluorobenzene	7.973	168	346305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	611079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	600547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	288473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	186492	41.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.980%		
35) Dibromofluoromethane	7.908	113	192674	44.895	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.780%		
50) Toluene-d8	10.332	98	740490	48.100	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.200%		
62) 4-Bromofluorobenzene	12.620	95	280371	48.843	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.680%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	758	Below Cal		95
11) Tert butyl alcohol	5.232	59	2817	7.243 ug/l #		79
16) Acetone	4.156	43	52925	51.851 ug/l		92
18) Methyl Acetate	4.809	43	186	Below Cal #		55
20) Methylene Chloride	4.961	84	19804	Below Cal #		84
25) 2-Butanone	7.208	43	14628	11.168 ug/l #		88
31) Cyclohexane	7.967	56	8168	1.039 ug/l #		9
36) 1,1-Dichloropropene	7.967	75	31665	4.538 ug/l #		53
37) Ethyl Acetate	7.208	43	14628	4.560 ug/l #		71
38) Carbon Tetrachloride	7.973	117	38058	5.254 ug/l #		18
48) Methyl methacrylate	9.420	41	5469	1.888 ug/l #		51
51) 4-Methyl-2-Pentanone	10.220	43	17110	5.561 ug/l		98
59) 2-Hexanone	10.973	43	11206	5.413 ug/l		95
69) o-Xylene	12.167	106	60226	6.964 ug/l		96
74) N-amyl acetate	12.243	43	29197	5.224 ug/l #		50
76) 1,2,3-Trichloropropane	12.620	75	144151	44.814 ug/l #		100
80) 1,3,5-Trimethylbenzene	12.949	105	25370	1.333 ug/l		97
81) trans-1,4-Dichloro-2-b...	12.620	75	144151	103.054 ug/l #		7
84) 1,2,4-Trimethylbenzene	13.255	105	70146	3.687 ug/l		97
95) Naphthalene	15.384	128	12236	1.201 ug/l #		90

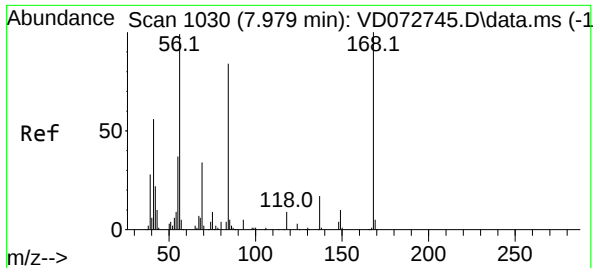
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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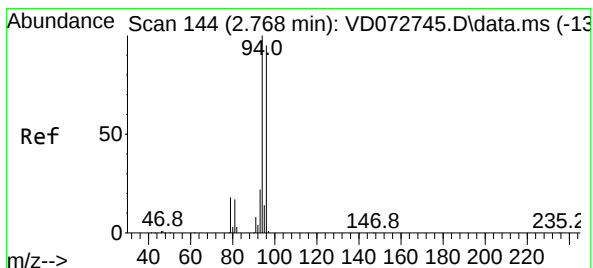
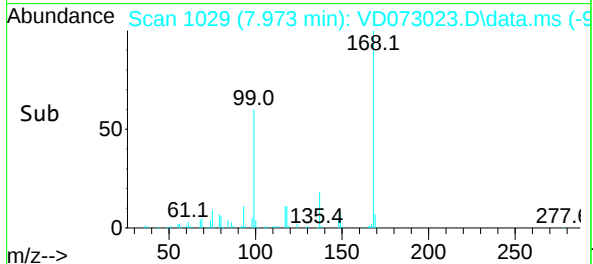
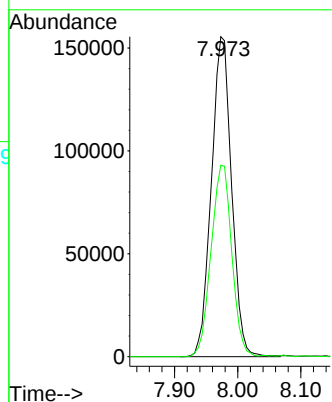
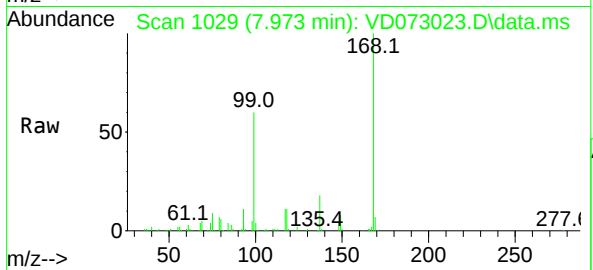




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

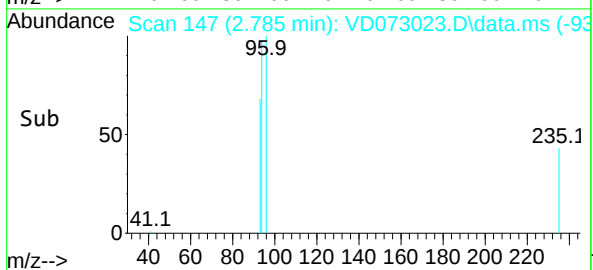
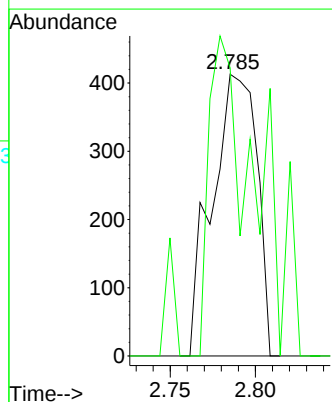
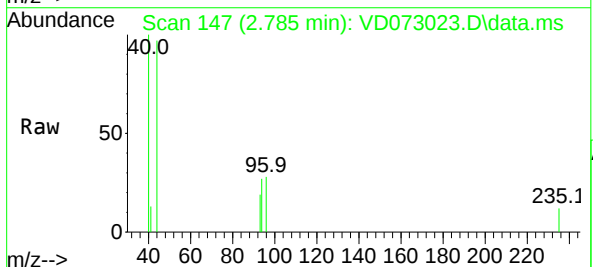
Instrument :
MSVOA_D
ClientSampleId :
SC-9

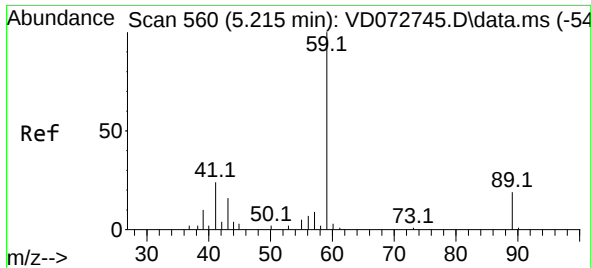
Tgt Ion:168 Resp: 346305
Ion Ratio Lower Upper
168 100
99 59.9 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

Tgt Ion: 94 Resp: 758
Ion Ratio Lower Upper
94 100
96 102.2 77.6 116.4

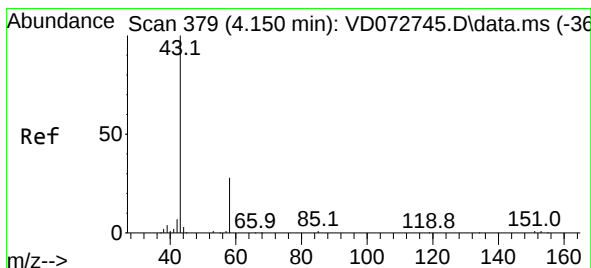
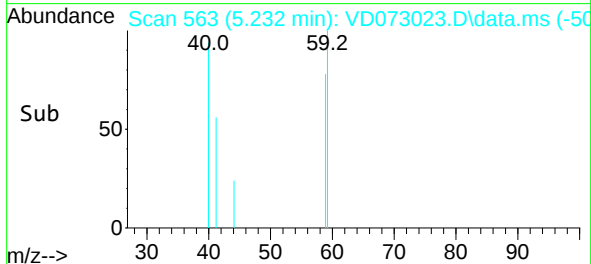
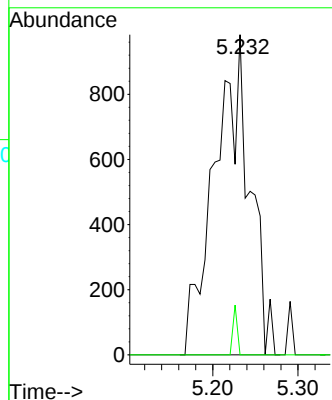
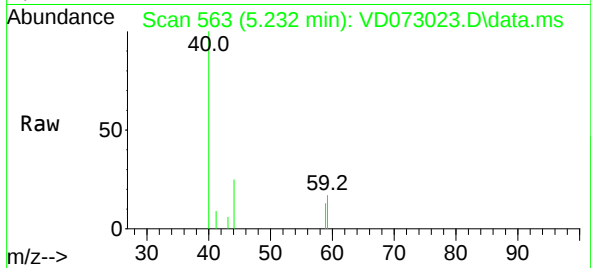




#11
Tert butyl alcohol
Concen: 7.243 ug/l
RT: 5.232 min Scan# 50
Delta R.T. 0.017 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

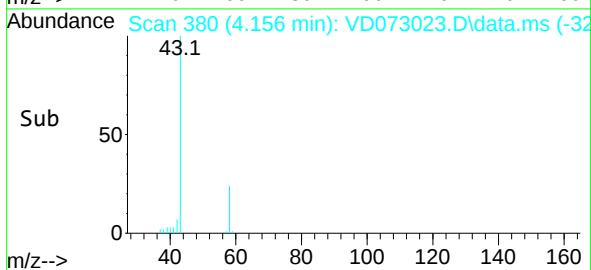
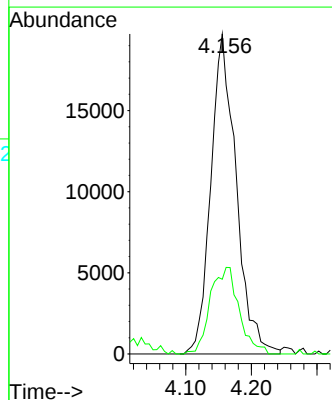
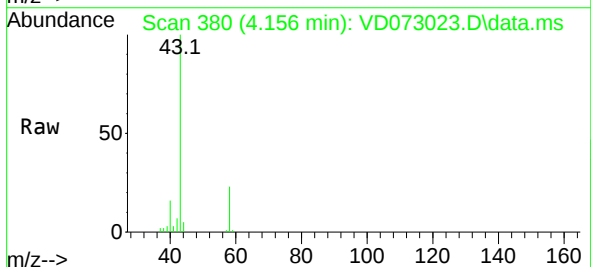
Instrument :
MSVOA_D
ClientSampleId :
SC-9

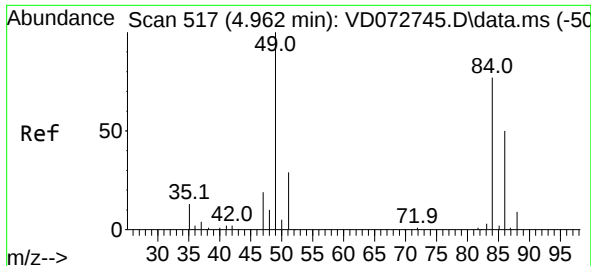
Tgt Ion: 59 Resp: 2817
Ion Ratio Lower Upper
59 100
57 1.9 7.8 11.6#



#16
Acetone
Concen: 51.851 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

Tgt Ion: 43 Resp: 52925
Ion Ratio Lower Upper
43 100
58 23.4 22.1 33.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.961 min Scan# 517

Delta R.T. -0.001 min

Lab File: VD073023.D

Acq: 14 May 2022 08:10

Instrument :

MSVOA_D

ClientSampleId :

SC-9

Tgt Ion: 84 Resp: 19804

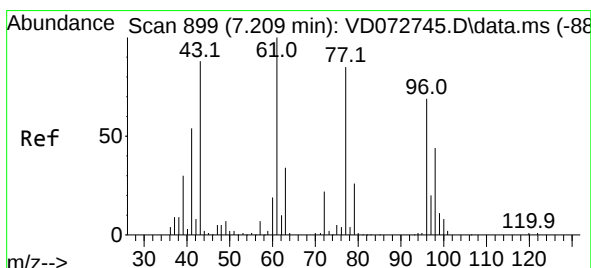
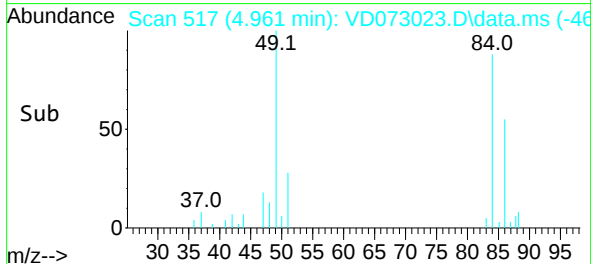
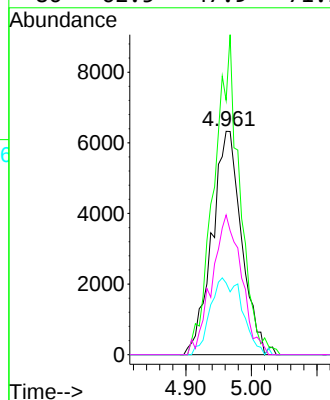
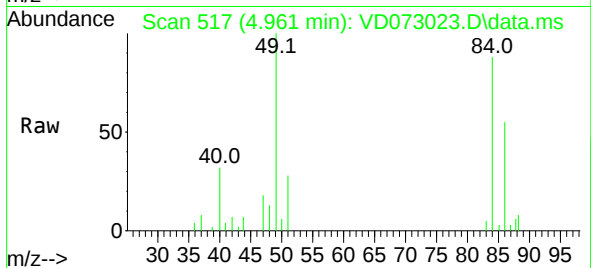
Ion Ratio Lower Upper

84 100

49 113.9 112.8 169.2

51 32.1 32.6 48.8#

86 62.5 47.9 71.9



#25

2-Butanone

Concen: 11.168 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.001 min

Lab File: VD073023.D

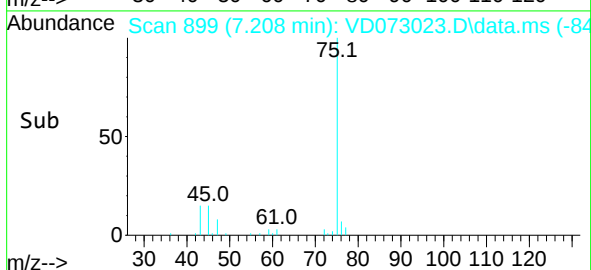
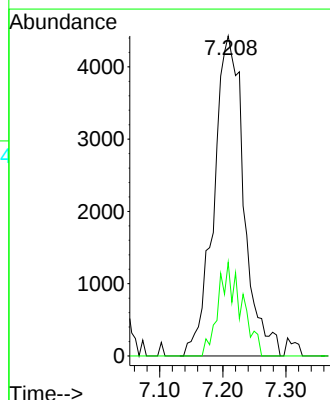
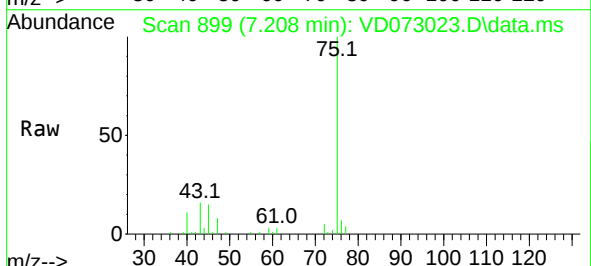
Acq: 14 May 2022 08:10

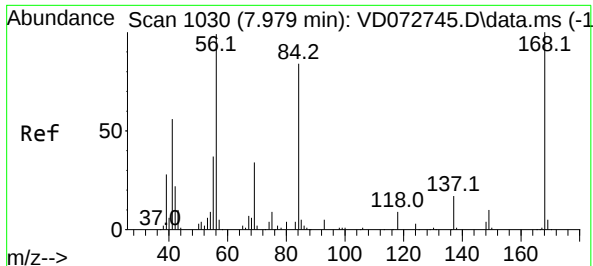
Tgt Ion: 43 Resp: 14628

Ion Ratio Lower Upper

43 100

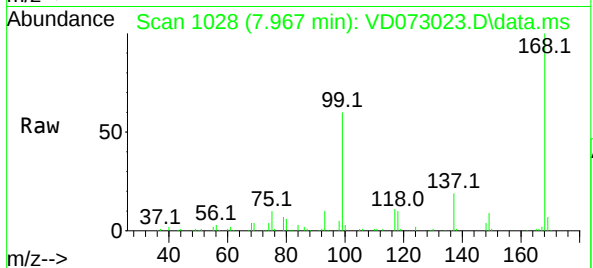
72 29.2 18.6 27.8#



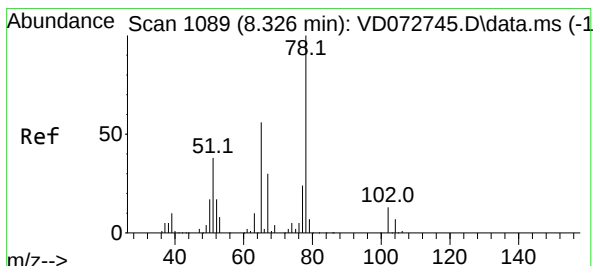
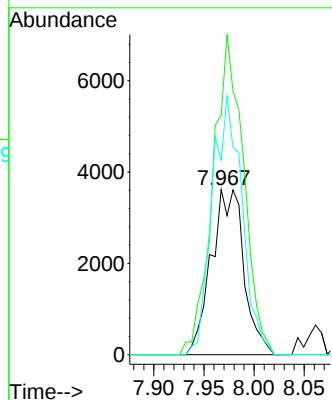
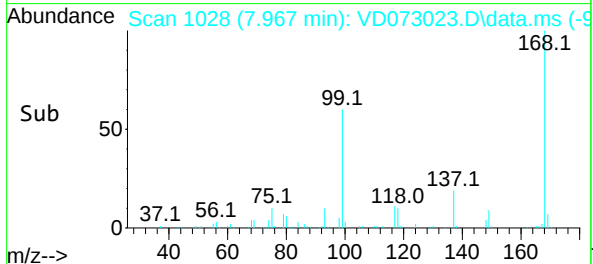


#31
Cyclohexane
Concen: 1.039 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

Instrument :
MSVOA_D
ClientSampleId :
SC-9

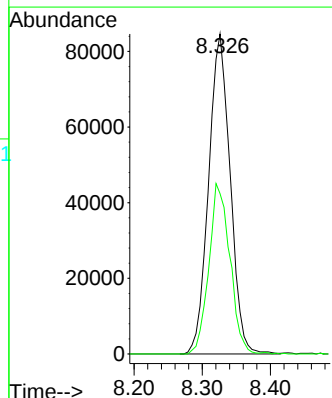
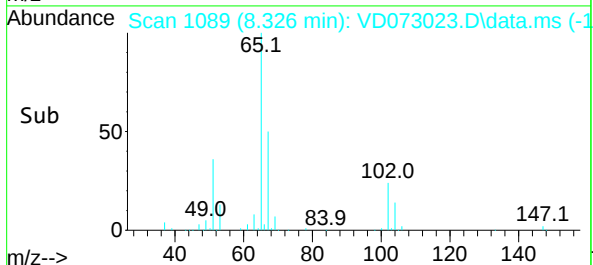
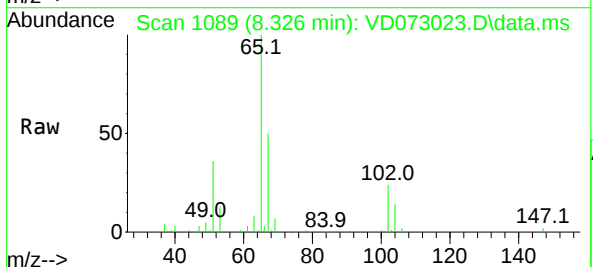


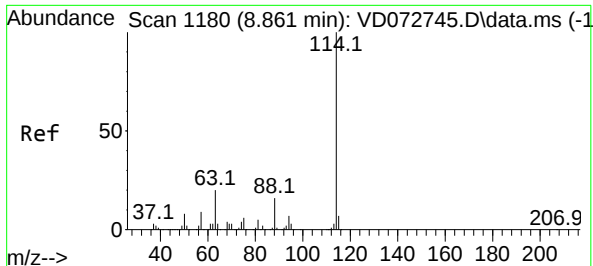
Tgt Ion: 56 Resp: 8168
Ion Ratio Lower Upper
56 100
69 145.1 25.4 38.2#
84 118.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 41.486 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

Tgt Ion: 65 Resp: 186492
Ion Ratio Lower Upper
65 100
67 51.7 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: VD073023.D

Acq: 14 May 2022 08:10

Instrument :

MSVOA_D

ClientSampleId :

SC-9

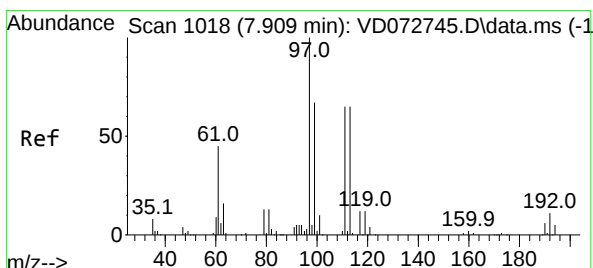
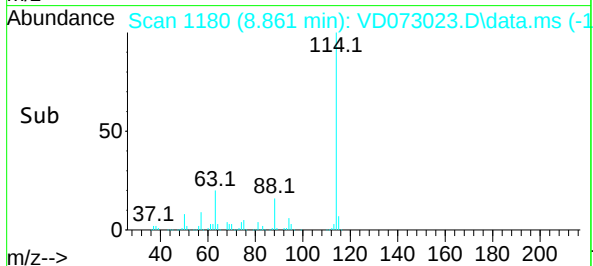
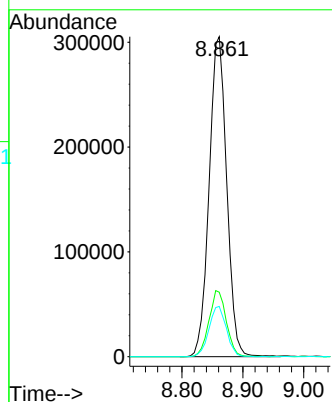
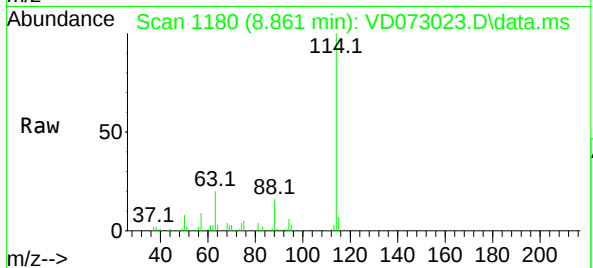
Tgt Ion:114 Resp: 611079

Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 44.895 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD073023.D

Acq: 14 May 2022 08:10

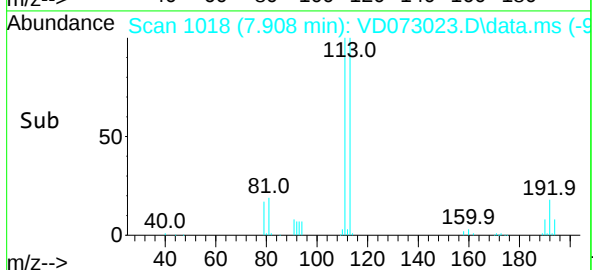
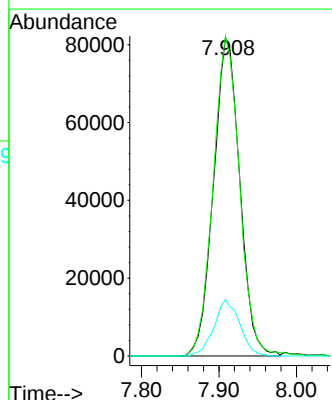
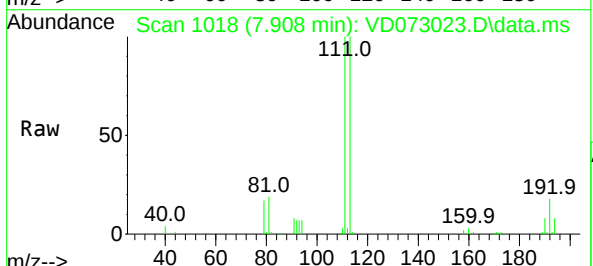
Tgt Ion:113 Resp: 192674

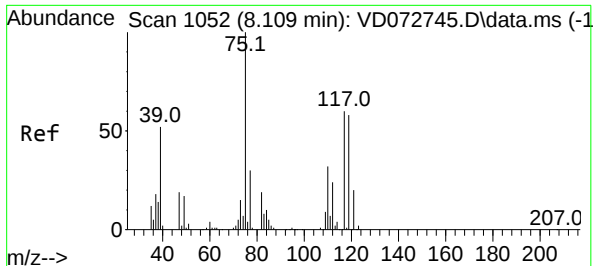
Ion Ratio Lower Upper

113 100

111 101.2 83.8 125.6

192 17.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.538 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.142 min

Lab File: VD073023.D

Acq: 14 May 2022 08:10

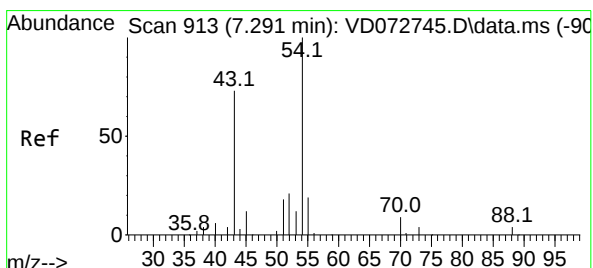
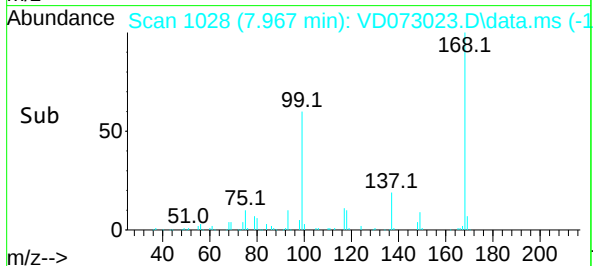
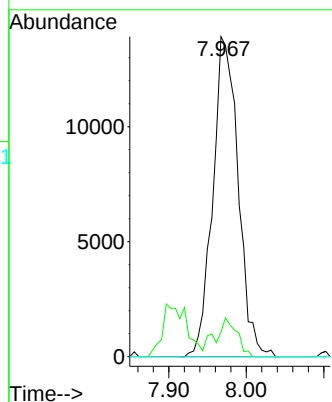
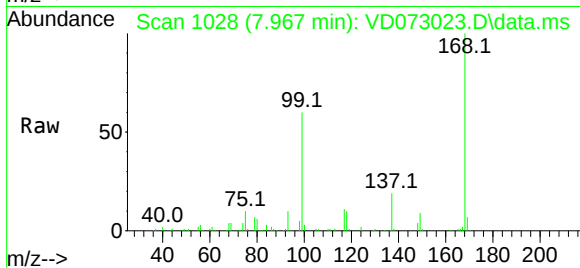
Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion:	75	Resp:	31665
Ion	Ratio	Lower	Upper
75	100		
110	10.3	16.4	49.1#
77	0.0	24.2	36.2#



#37

Ethyl Acetate

Concen: 4.560 ug/l

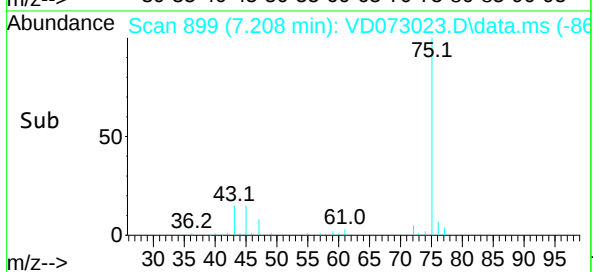
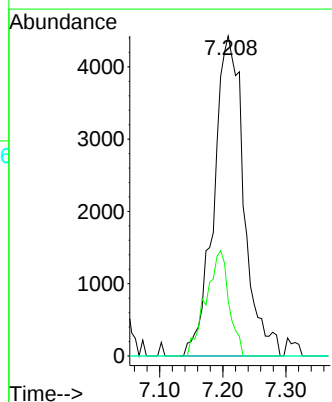
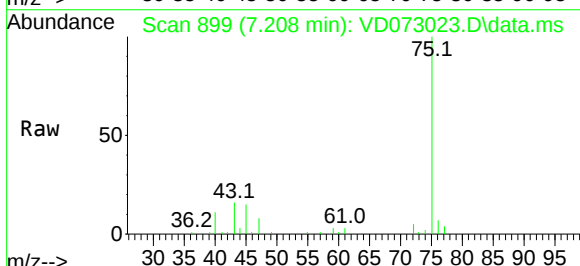
RT: 7.208 min Scan# 899

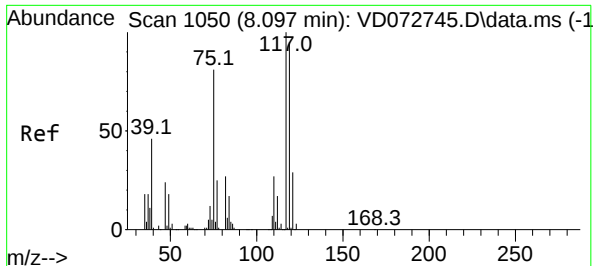
Delta R.T. -0.083 min

Lab File: VD073023.D

Acq: 14 May 2022 08:10

Tgt Ion:	43	Resp:	14628
Ion	Ratio	Lower	Upper
43	100		
61	25.2	9.8	14.8#
70	0.0	6.9	10.3#

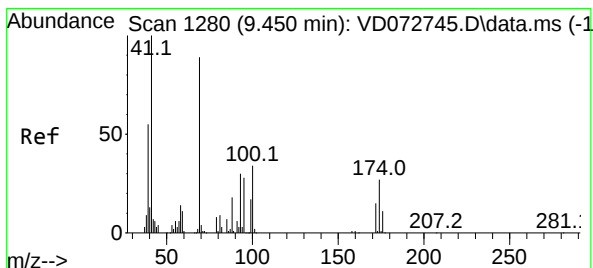
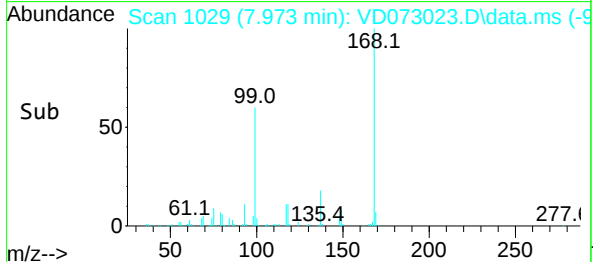
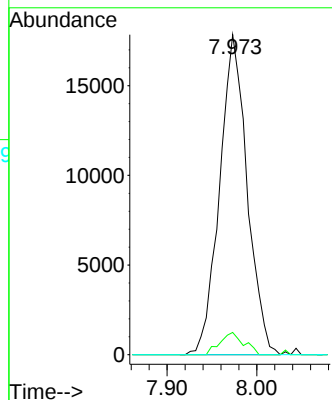
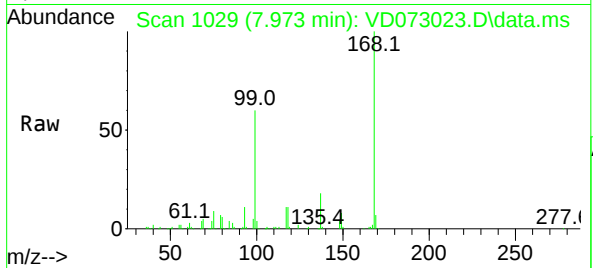




#38
Carbon Tetrachloride
Concen: 5.254 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

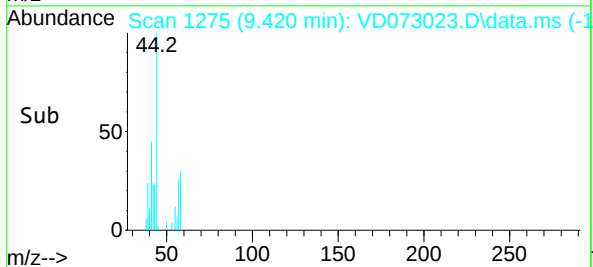
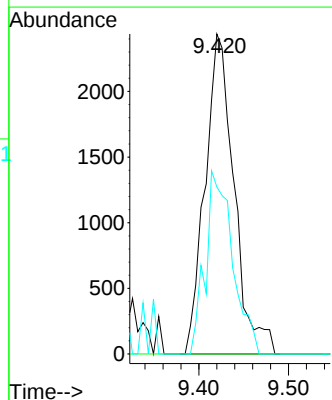
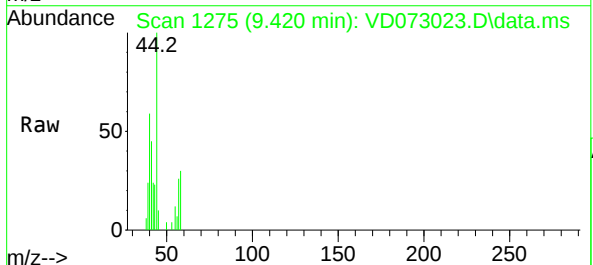
Instrument :
MSVOA_D
ClientSampleId :
SC-9

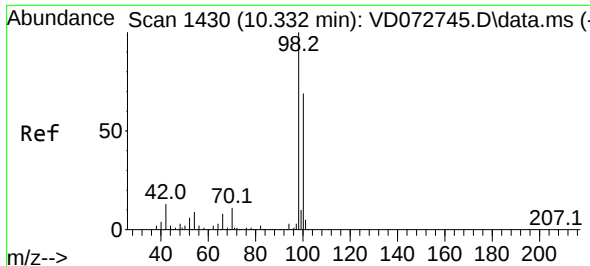
Tgt Ion:117 Resp: 38058
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.6#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 1.888 ug/l
RT: 9.420 min Scan# 1275
Delta R.T. -0.030 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

Tgt Ion: 41 Resp: 5469
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 53.5 42.7 64.1

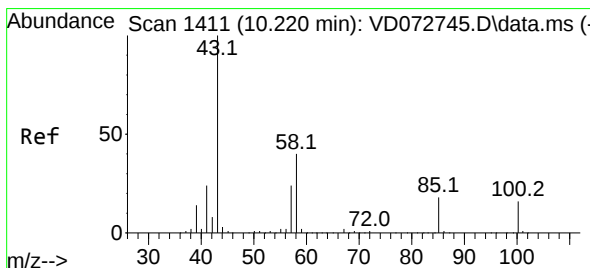
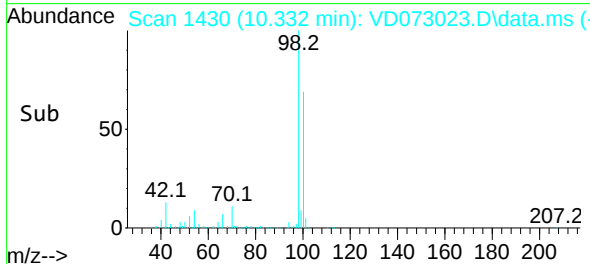
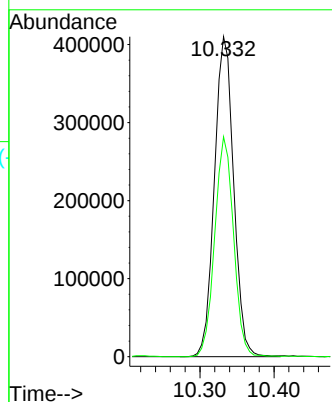
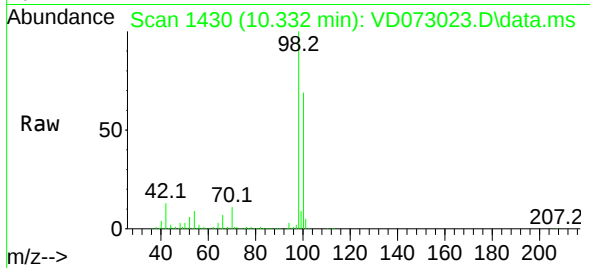




#50
Toluene-d8
Concen: 48.100 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

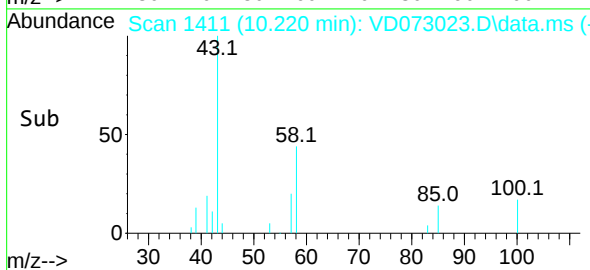
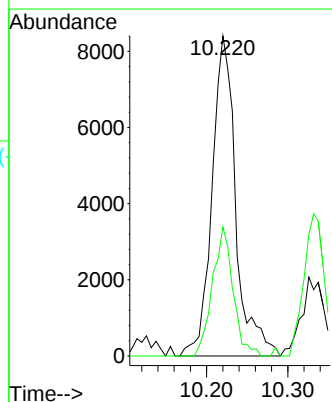
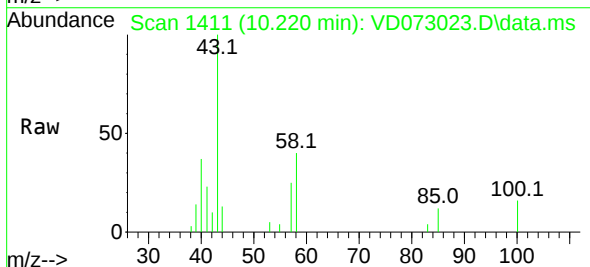
Instrument :
MSVOA_D
ClientSampleId :
SC-9

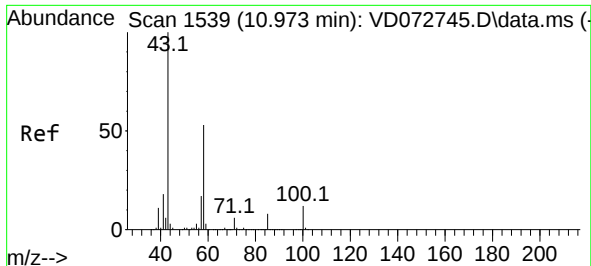
Tgt Ion: 98 Resp: 740490
Ion Ratio Lower Upper
98 100
100 67.2 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 5.561 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

Tgt Ion: 43 Resp: 17110
Ion Ratio Lower Upper
43 100
58 34.8 28.6 43.0

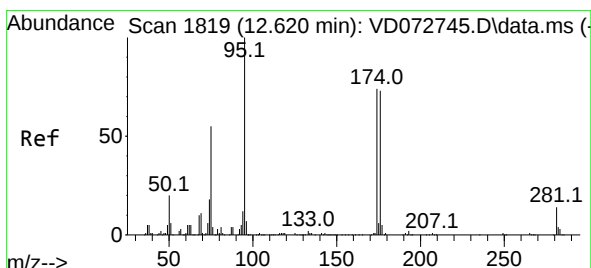
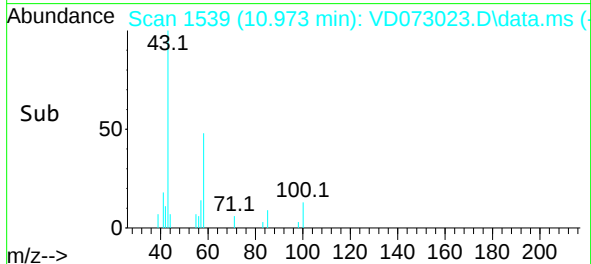
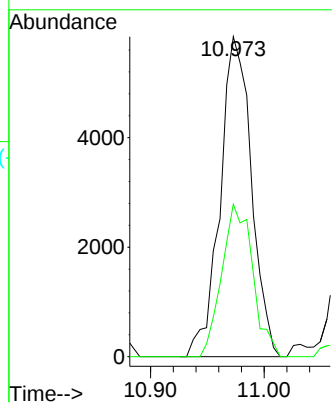
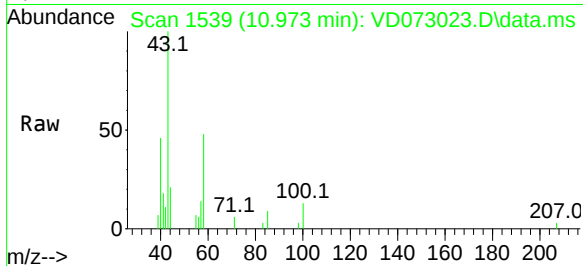




#59
2-Hexanone
Concen: 5.413 ug/l
RT: 10.973 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

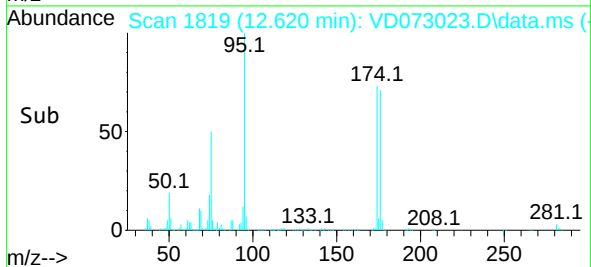
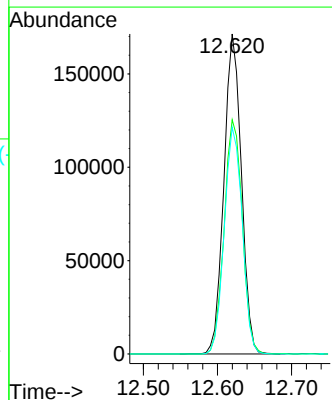
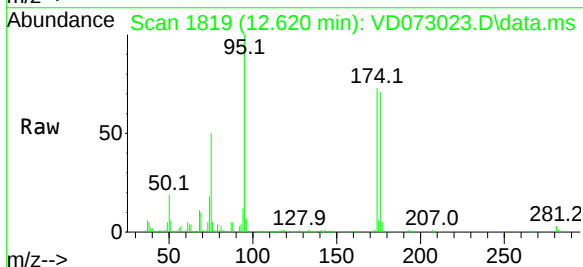
Instrument :
MSVOA_D
ClientSampleId :
SC-9

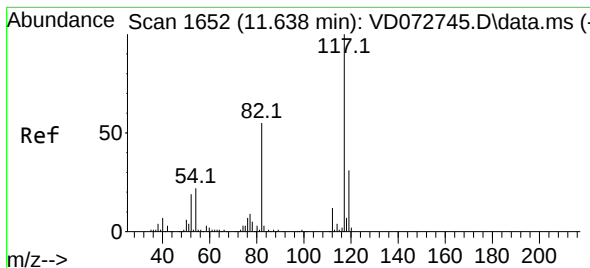
Tgt Ion: 43 Resp: 11206
Ion Ratio Lower Upper
43 100
58 46.9 25.3 75.9



#62
4-Bromofluorobenzene
Concen: 48.843 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

Tgt Ion: 95 Resp: 280371
Ion Ratio Lower Upper
95 100
174 76.0 0.0 152.8
176 72.7 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073023.D

Acq: 14 May 2022 08:10

Instrument :

MSVOA_D

ClientSampleId :

SC-9

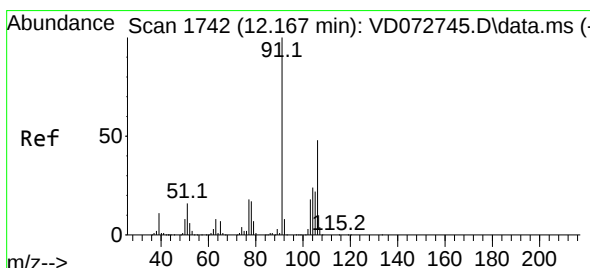
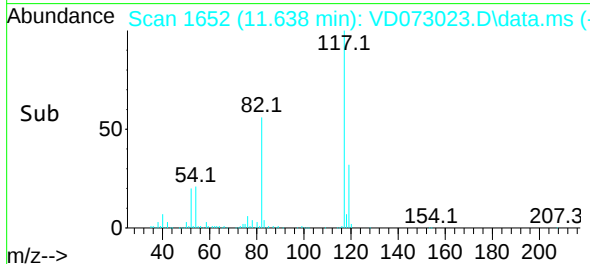
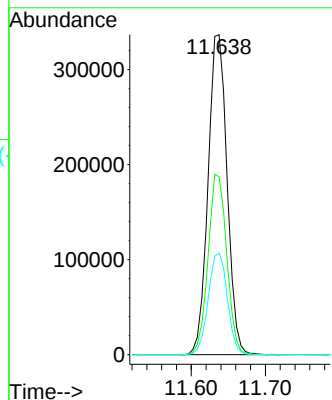
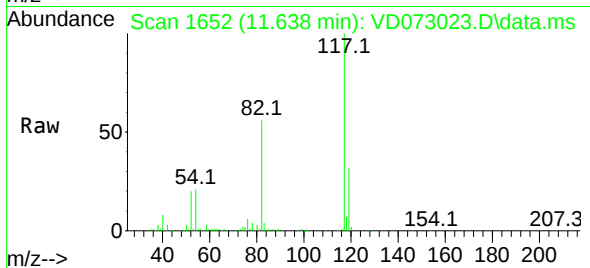
Tgt Ion:117 Resp: 600547

Ion Ratio Lower Upper

117 100

82 55.6 45.3 67.9

119 31.8 26.6 40.0



#69

o-Xylene

Concen: 6.964 ug/l

RT: 12.167 min Scan# 1742

Delta R.T. -0.000 min

Lab File: VD073023.D

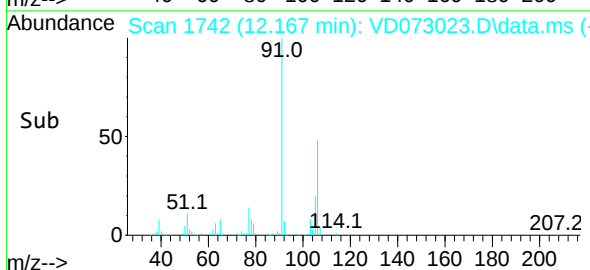
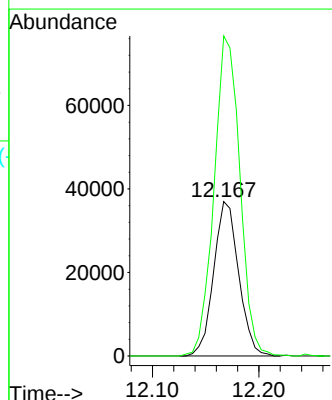
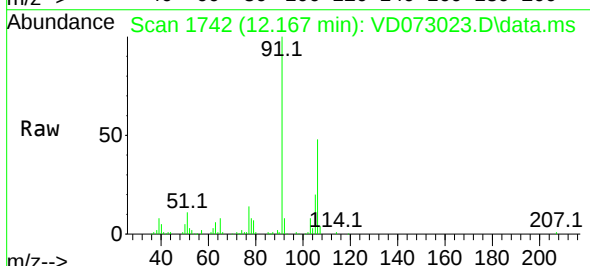
Acq: 14 May 2022 08:10

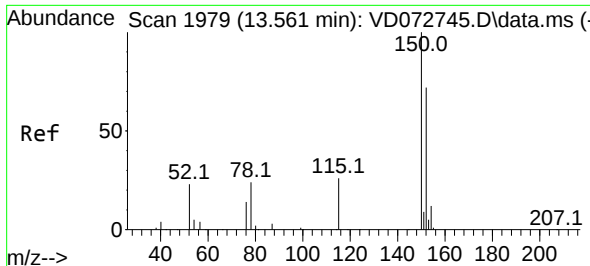
Tgt Ion:106 Resp: 60226

Ion Ratio Lower Upper

106 100

91 214.5 110.4 331.2

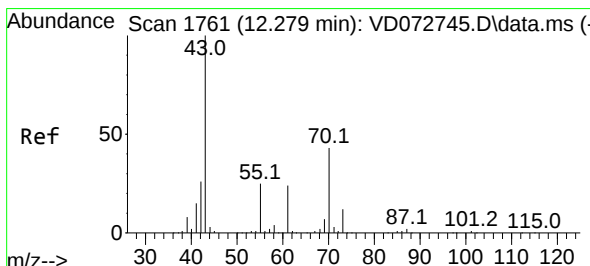
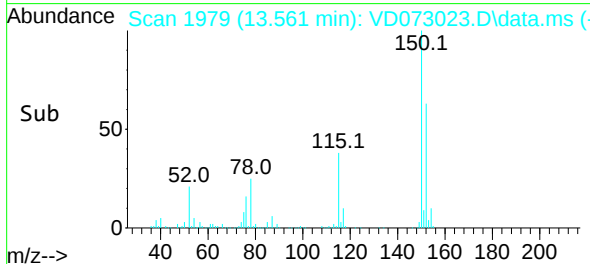
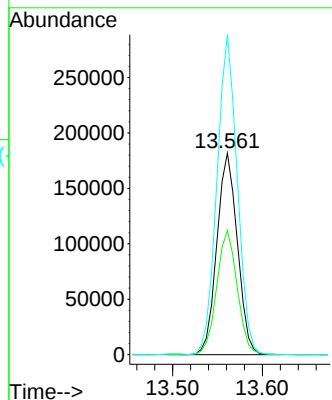
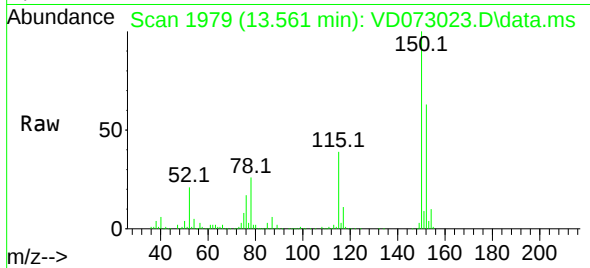




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

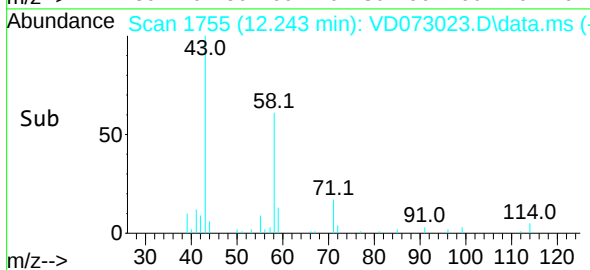
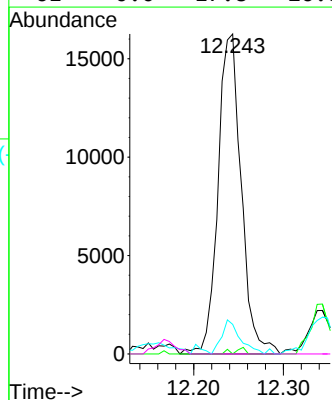
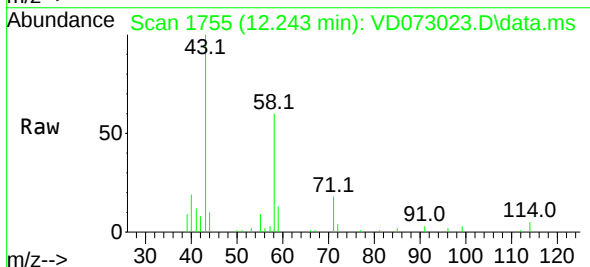
Instrument :
MSVOA_D
ClientSampleId :
SC-9

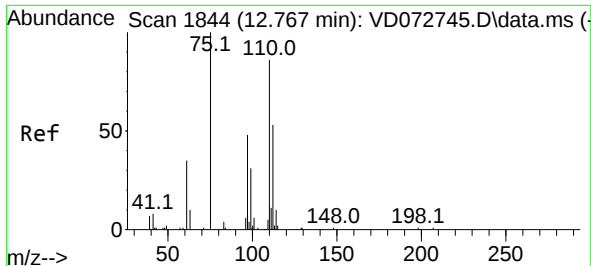
Tgt Ion:152 Resp: 288473
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.8
150 157.1 0.0 348.6



#74
N-ethyl acetate
Concen: 5.224 ug/l
RT: 12.243 min Scan# 1755
Delta R.T. -0.036 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

Tgt Ion: 43 Resp: 29197
Ion Ratio Lower Upper
43 100
70 0.9 31.3 46.9#
55 8.4 20.0 30.0#
61 0.0 17.8 26.8#

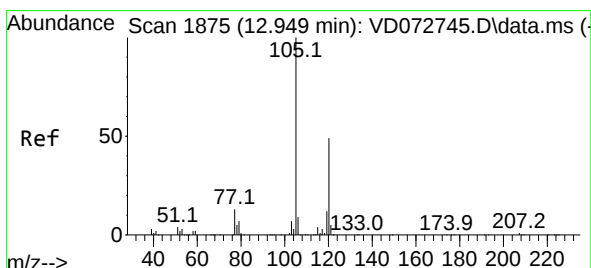
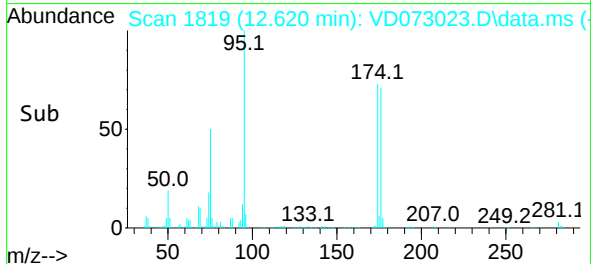
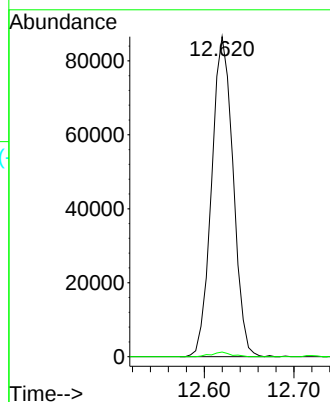
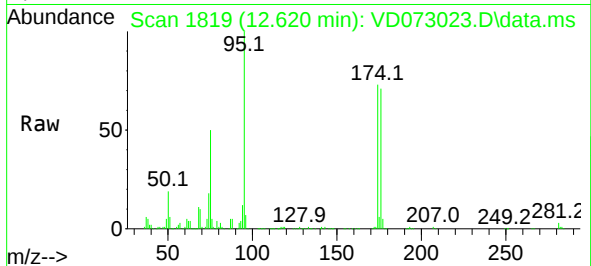




#76
1,2,3-Trichloropropane
Concen: 44.814 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

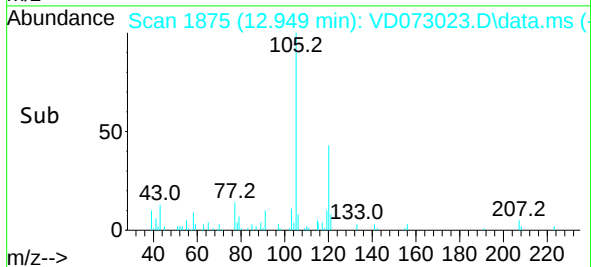
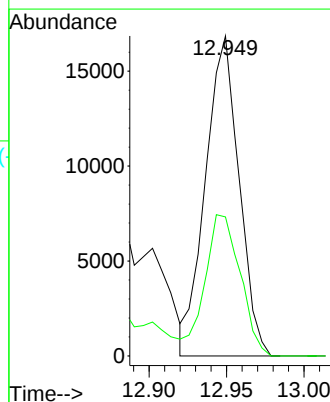
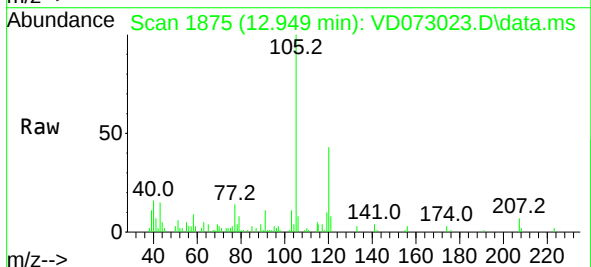
Instrument :
MSVOA_D
ClientSampleId :
SC-9

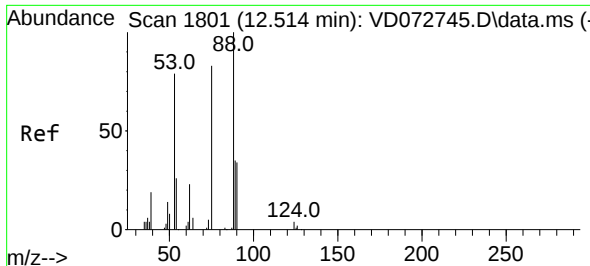
Tgt Ion: 75 Resp: 144151
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.333 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

Tgt Ion: 105 Resp: 25370
Ion Ratio Lower Upper
105 100
120 46.5 24.3 72.8

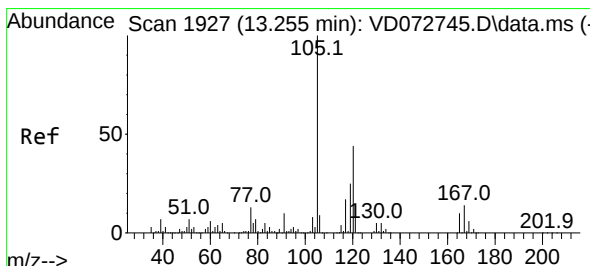
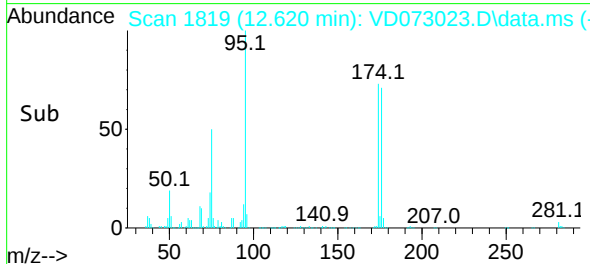
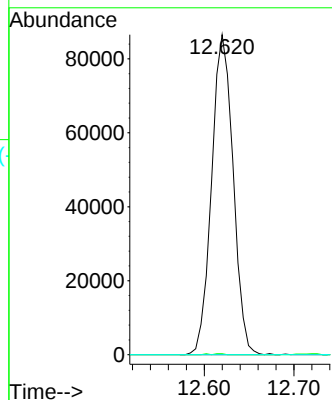
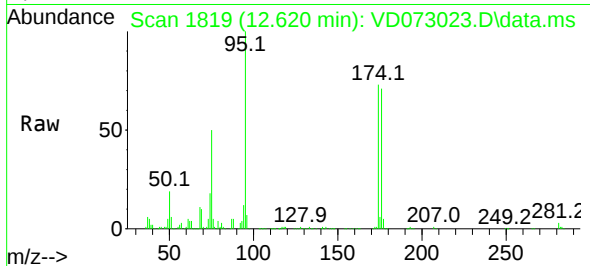




#81
trans-1,4-Dichloro-2-butene
Concen: 103.054 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

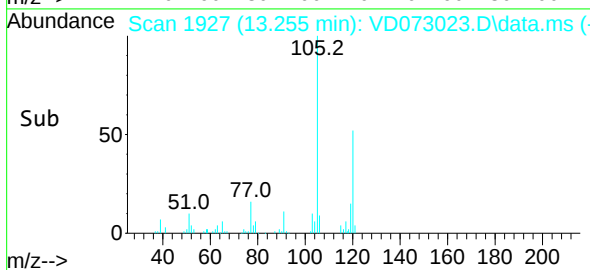
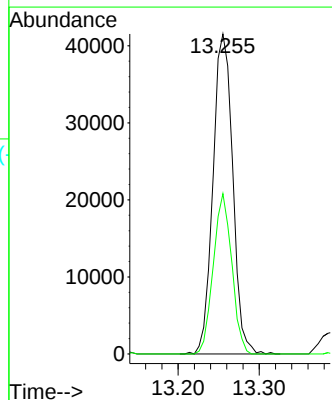
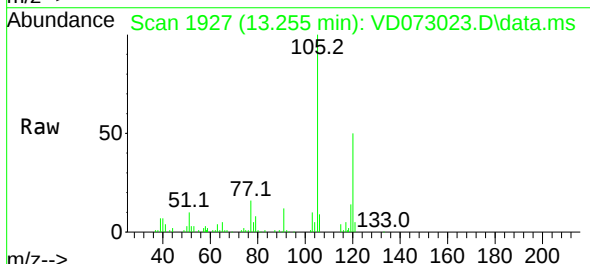
Instrument :
MSVOA_D
ClientSampleId :
SC-9

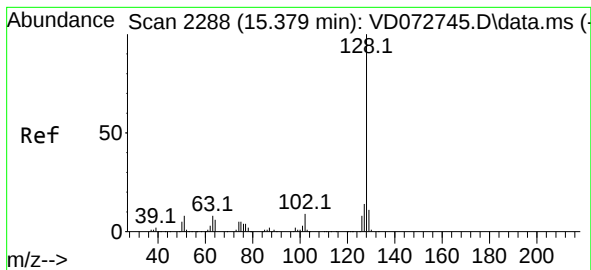
Tgt Ion: 75 Resp: 144151
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 3.687 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

Tgt Ion: 105 Resp: 70146
Ion Ratio Lower Upper
105 100
120 46.8 22.3 66.8





#95
Naphthalene
Concen: 1.201 ug/l
RT: 15.384 min Scan# 21
Delta R.T. 0.005 min
Lab File: VD073023.D
Acq: 14 May 2022 08:10

Instrument :
MSVOA_D
ClientSampleId :
SC-9

Tgt Ion	Ratio	Lower	Upper
128	100		
127	18.7	10.3	15.5#
129	12.4	8.4	12.6

