

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073075.D
 Acq On : 18 May 2022 00:50
 Operator : VA/SY
 Sample : N2824-02
 Misc : 5.00 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 18 05:13:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

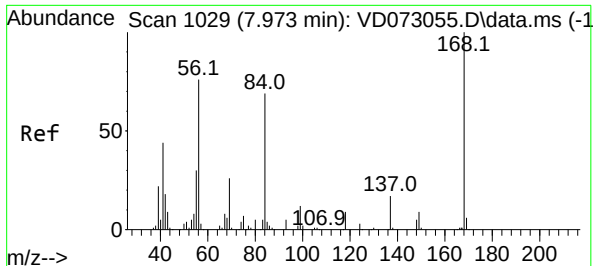
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	314397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	574945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	592299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	278720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	182335	46.375	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.740%		
35) Dibromofluoromethane	7.909	113	100662	24.936	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	49.880%#		
50) Toluene-d8	10.332	98	720982	49.232	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.460%		
62) 4-Bromofluorobenzene	12.620	95	267857	50.499	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.000%		
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	1436	4.559	ug/l #	76
11) Tert butyl alcohol	5.226	59	1384	2.276	ug/l #	74
15) Acrylonitrile	5.426	53	1320	1.476	ug/l #	62
16) Acetone	4.162	43	24897	34.992	ug/l	94
18) Methyl Acetate	4.732	43	132	1.519	ug/l #	55
20) Methylene Chloride	4.962	84	22517	4.360	ug/l	82
25) 2-Butanone	7.197	43	3631	3.370	ug/l	98
31) Cyclohexane	7.973	56	9198	1.299	ug/l #	11
37) Ethyl Acetate	7.197	43	3631	1.314	ug/l #	1
51) 4-Methyl-2-Pentanone	10.226	43	3948	1.473	ug/l	89
59) 2-Hexanone	10.944	43	7472	4.220	ug/l #	40
74) N-amyl acetate	12.238	43	6743	1.366	ug/l #	51
76) 1,2,3-Trichloropropane	12.620	75	134007	42.532	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	134007	101.981	ug/l #	7
95) Naphthalene	15.379	128	116197	14.049	ug/l	98

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

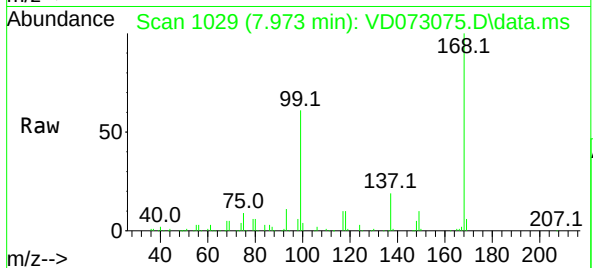
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 04:58:34 2022
Response via : Initial Calibration



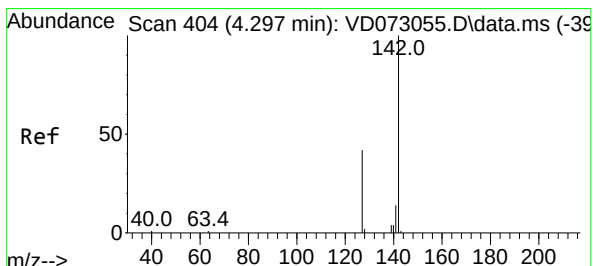
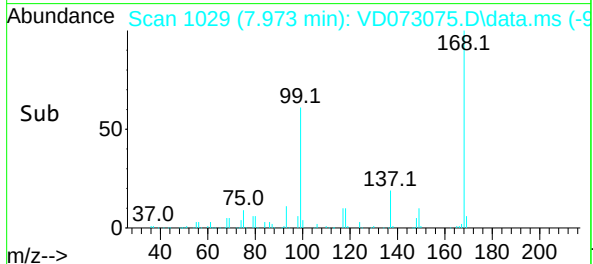
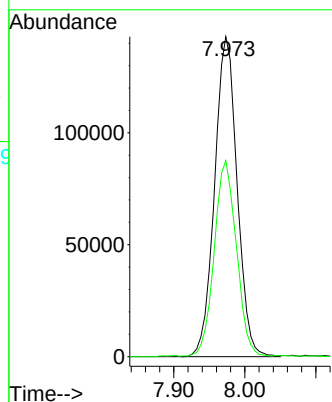


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

Instrument :
MSVOA_D
ClientSampleId :

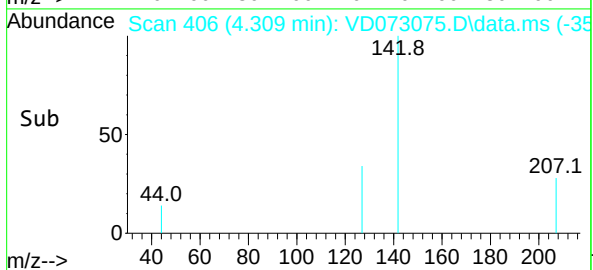
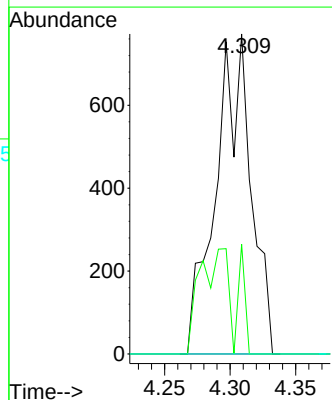
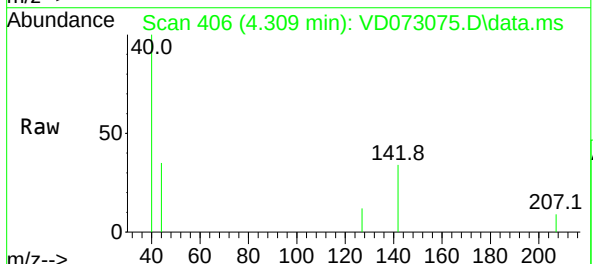


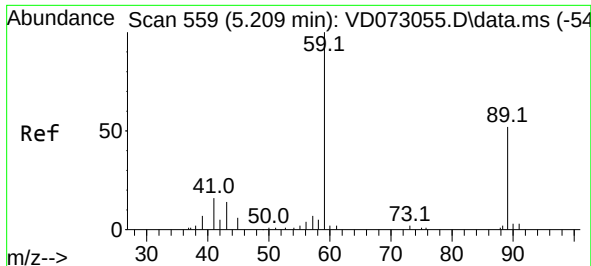
Tgt Ion:168 Resp: 314397
Ion Ratio Lower Upper
168 100
99 61.2 49.8 74.6



#10
Methyl Iodide
Concen: 4.559 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

Tgt Ion:142 Resp: 1436
Ion Ratio Lower Upper
142 100
127 32.8 37.3 55.9#
141 0.0 11.7 17.5#

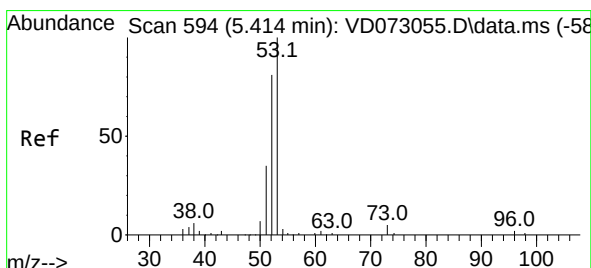
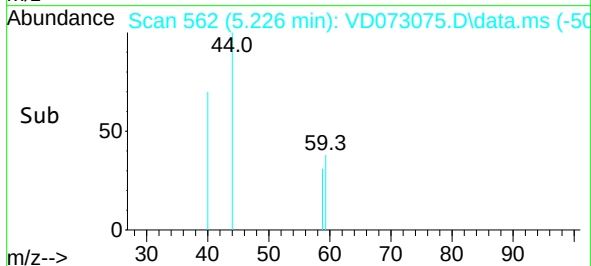
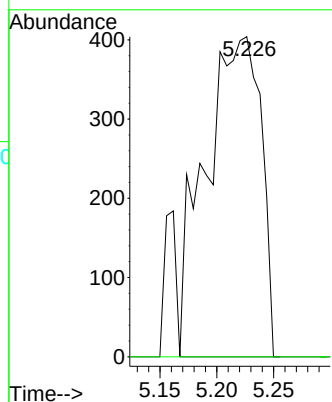
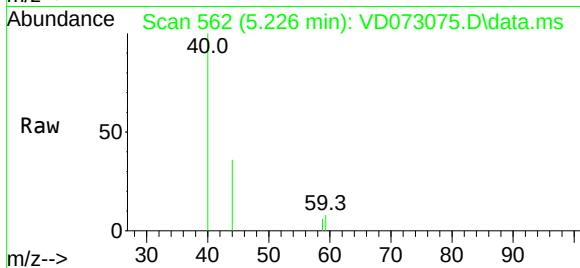




#11
Tert butyl alcohol
Concen: 2.276 ug/l
RT: 5.226 min Scan# 511
Delta R.T. 0.017 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

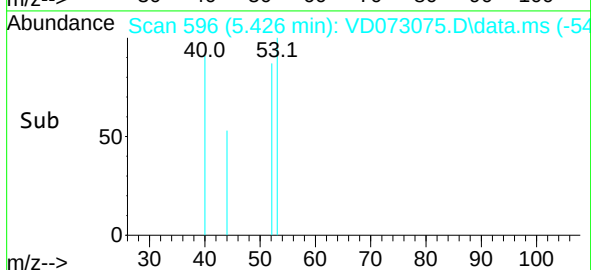
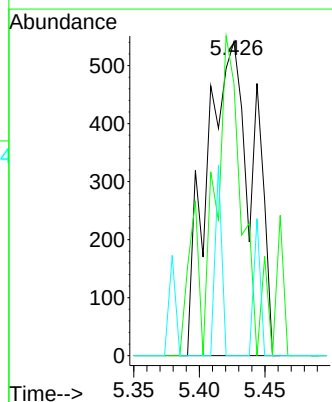
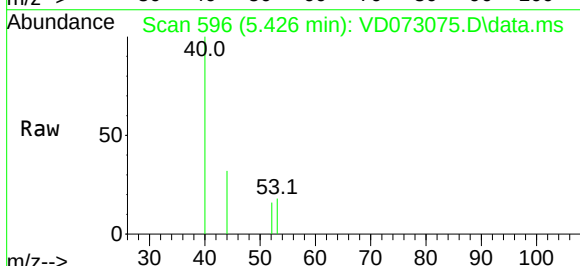
Instrument :
MSVOA_D
ClientSampleId :

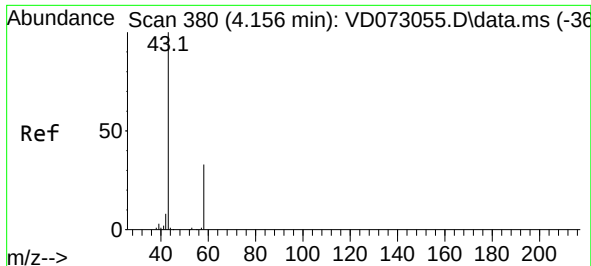
Tgt Ion: 59 Resp: 1384
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#15
Acrylonitrile
Concen: 1.476 ug/l
RT: 5.426 min Scan# 596
Delta R.T. 0.012 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

Tgt Ion: 53 Resp: 1320
Ion Ratio Lower Upper
53 100
52 53.6 67.2 100.8#
51 8.8 30.3 45.5#





#16

Acetone

Concen: 34.992 ug/l

RT: 4.162 min Scan# 381

Delta R.T. 0.006 min

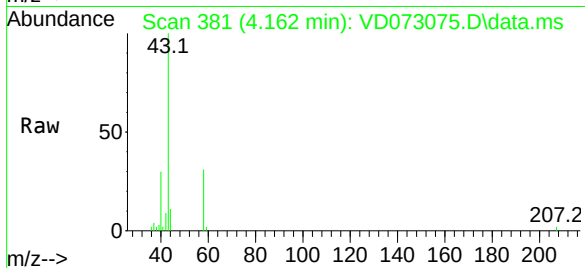
Lab File: VD073075.D

Acq: 18 May 2022 00:50

Instrument :

MSVOA_D

ClientSampleId :

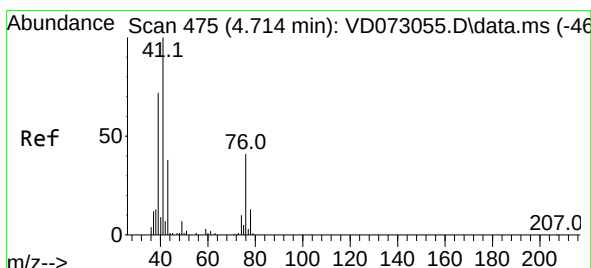
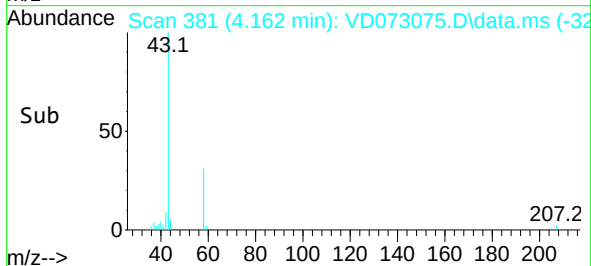
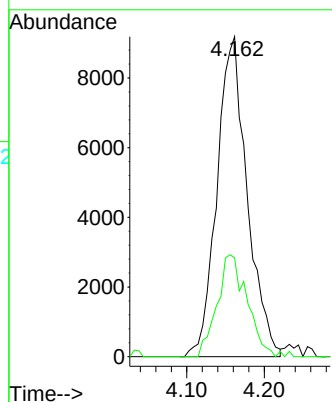


Tgt Ion: 43 Resp: 24897

Ion Ratio Lower Upper

43 100

58 30.9 22.1 33.1



#18

Methyl Acetate

Concen: 1.519 ug/l

RT: 4.732 min Scan# 478

Delta R.T. 0.018 min

Lab File: VD073075.D

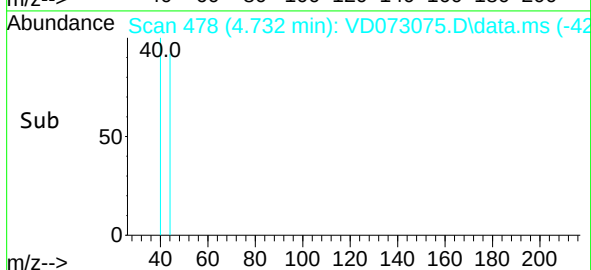
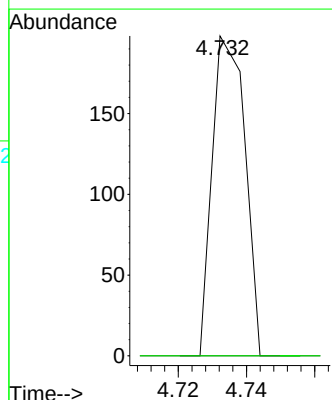
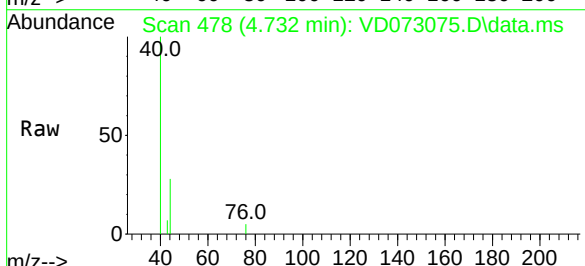
Acq: 18 May 2022 00:50

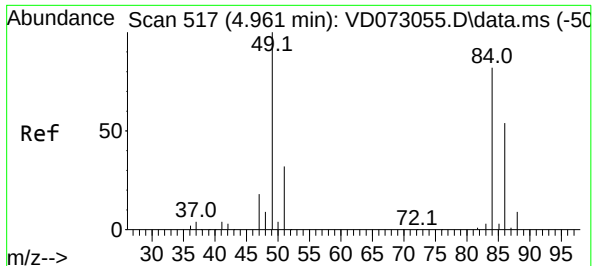
Tgt Ion: 43 Resp: 132

Ion Ratio Lower Upper

43 100

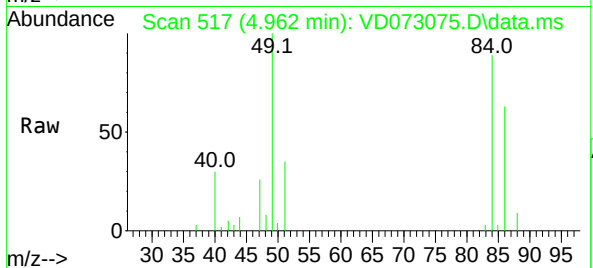
74 0.0 16.7 25.1#



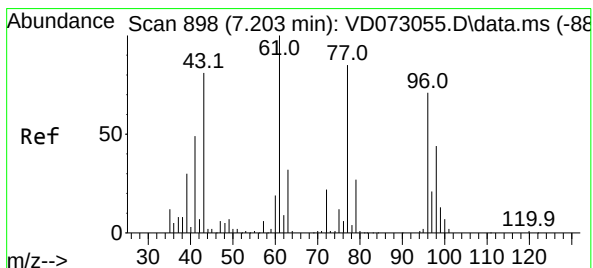
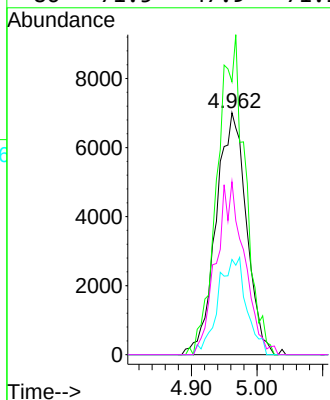


#20
Methylene Chloride
Concen: 4.360 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

Instrument :
MSVOA_D
ClientSampleId :

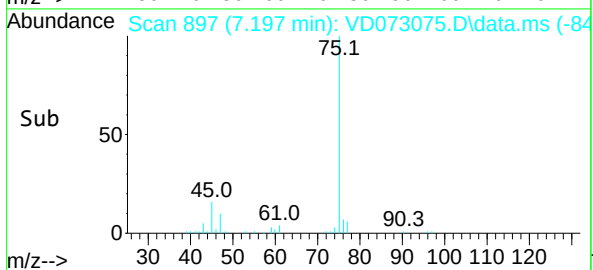
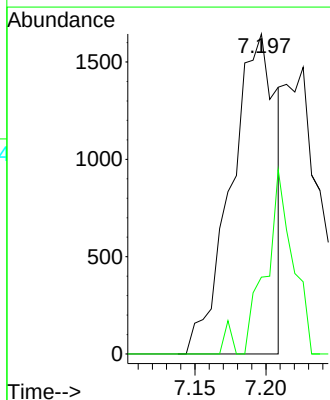
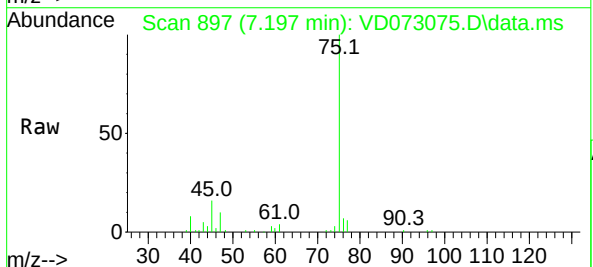


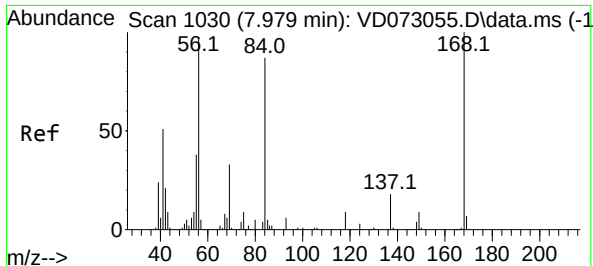
Tgt Ion	84	Resp:	22517
Ion	Ratio	Lower	Upper
84	100		
49	112.8	112.8	169.2
51	39.3	32.6	48.8
86	71.5	47.9	71.9



#25
2-Butanone
Concen: 3.370 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

Tgt Ion	43	Resp:	3631
Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.6	27.8

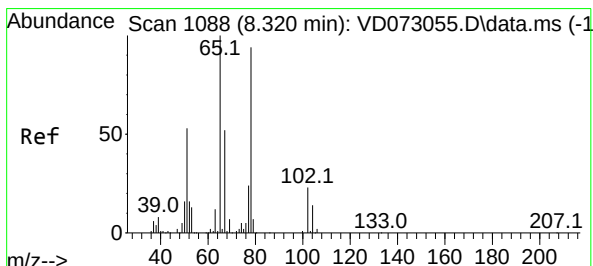
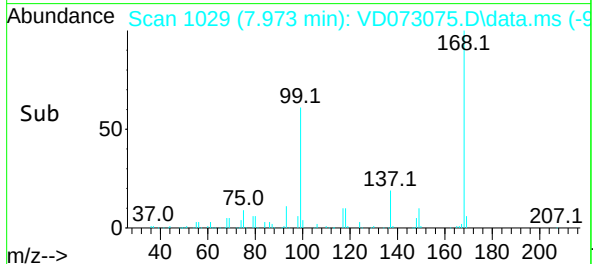
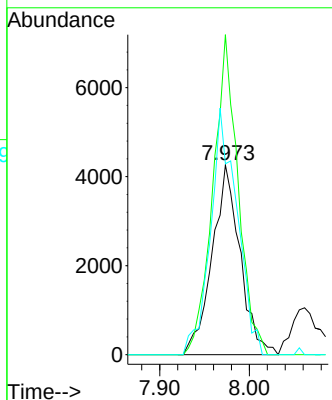
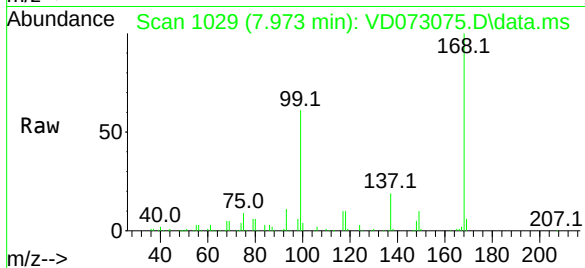




#31
Cyclohexane
Concen: 1.299 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

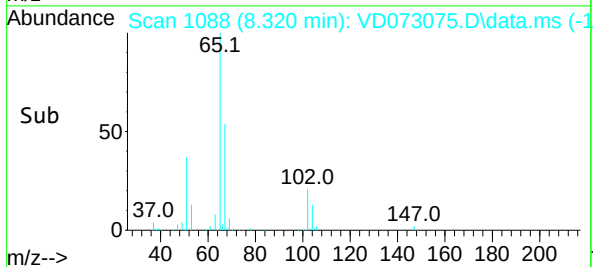
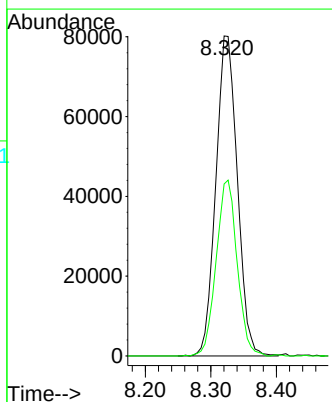
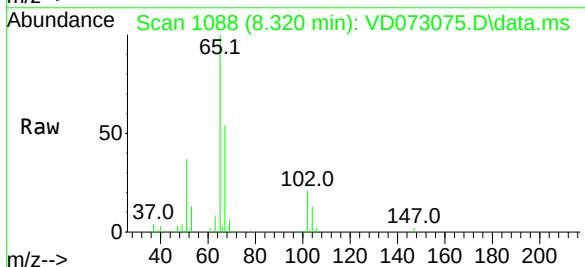
Instrument :
MSVOA_D
ClientSampleId :

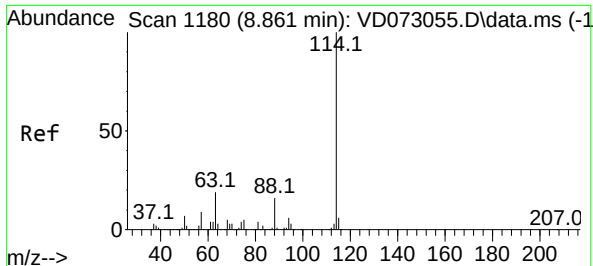
Tgt Ion: 56 Resp: 9198
Ion Ratio Lower Upper
56 100
69 168.6 25.4 38.2#
84 100.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 46.375 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

Tgt Ion: 65 Resp: 182335
Ion Ratio Lower Upper
65 100
67 53.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 11

Delta R.T. -0.006 min

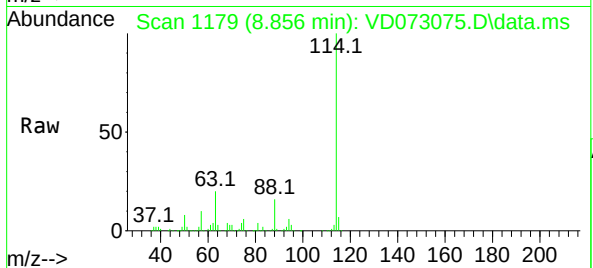
Lab File: VD073075.D

Acq: 18 May 2022 00:50

Instrument :

MSVOA_D

ClientSampleId :



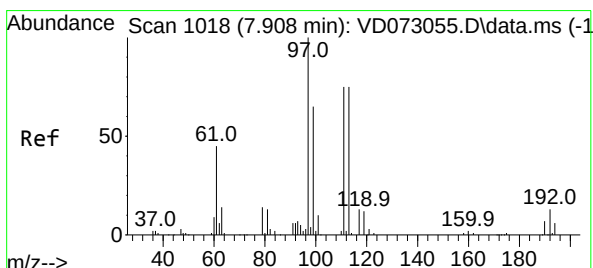
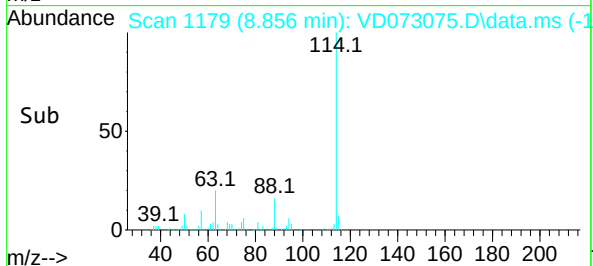
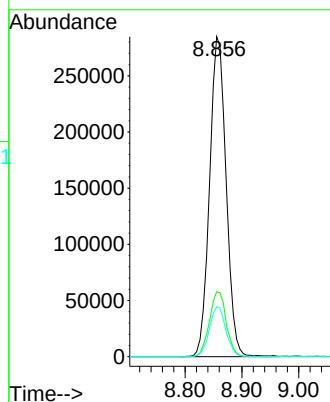
Tgt Ion:114 Resp: 574945

Ion Ratio Lower Upper

114 100

63 20.3 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 24.936 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073075.D

Acq: 18 May 2022 00:50

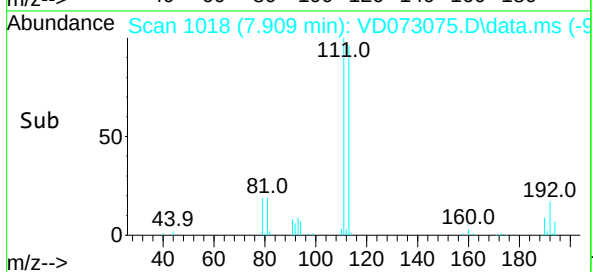
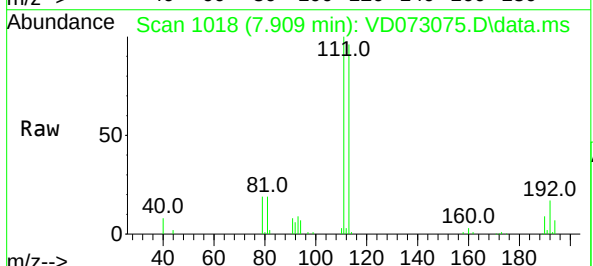
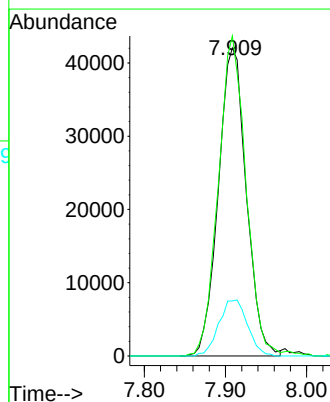
Tgt Ion:113 Resp: 100662

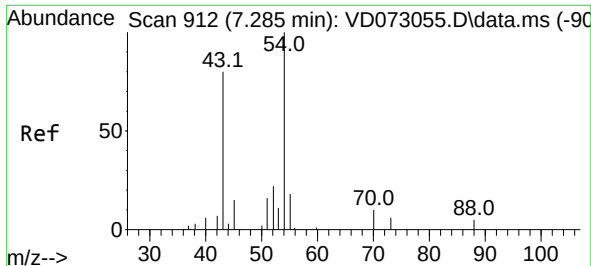
Ion Ratio Lower Upper

113 100

111 103.3 83.8 125.6

192 18.7 14.6 21.8





#37

Ethyl Acetate

Concen: 1.314 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.088 min

Lab File: VD073075.D

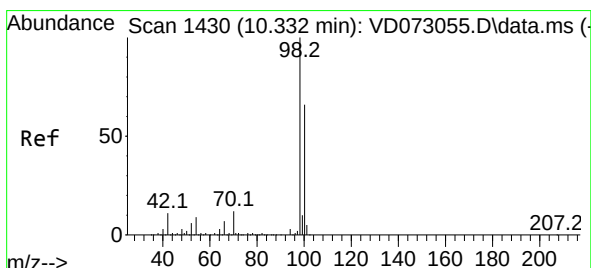
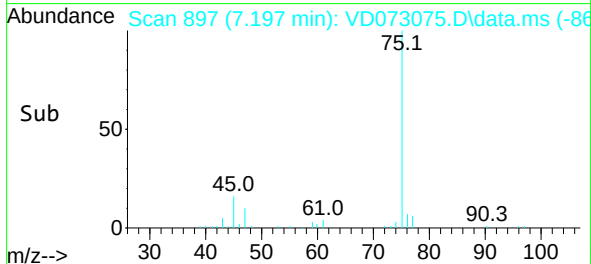
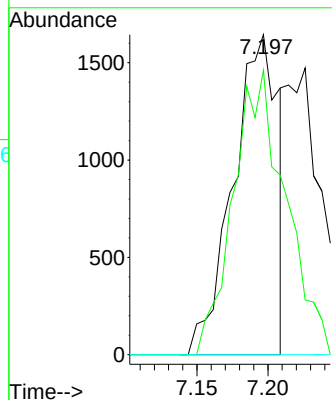
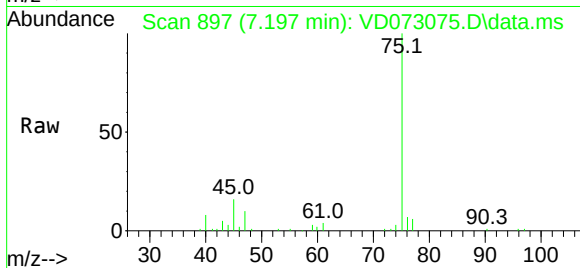
Acq: 18 May 2022 00:50

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 3631
Ion Ratio	Lower Upper
43 100	
61 102.6	9.8 14.8#
70 0.0	6.9 10.3#



#50

Toluene-d8

Concen: 49.232 ug/l

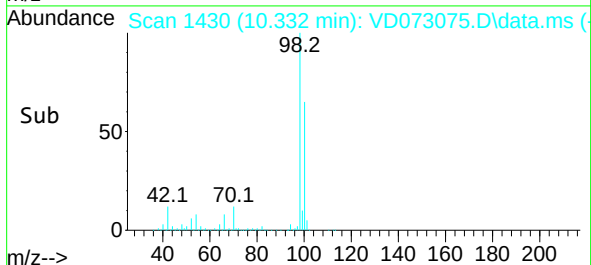
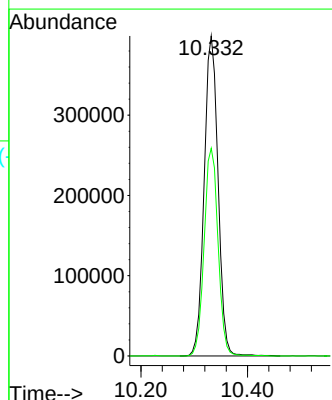
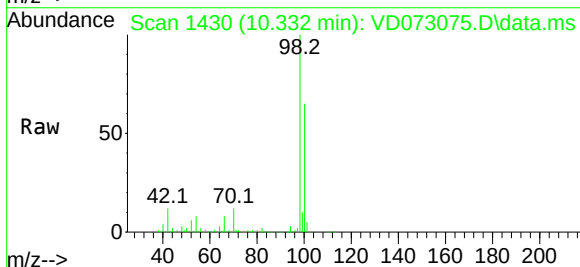
RT: 10.332 min Scan# 1430

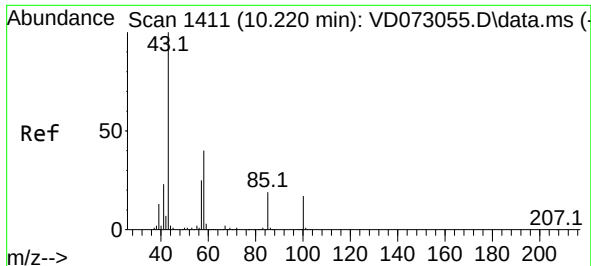
Delta R.T. 0.000 min

Lab File: VD073075.D

Acq: 18 May 2022 00:50

Tgt Ion: 98	Resp: 720982
Ion Ratio	Lower Upper
98 100	
100 65.1	52.4 78.6

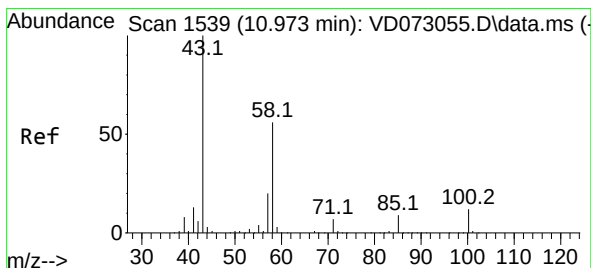
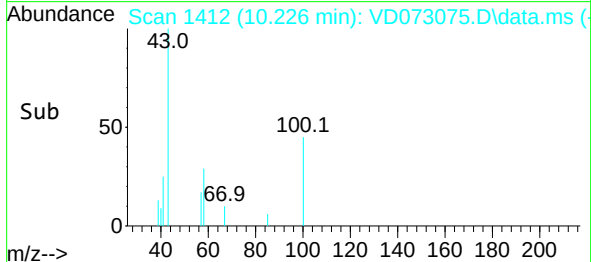
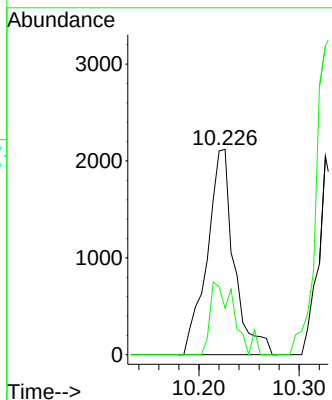
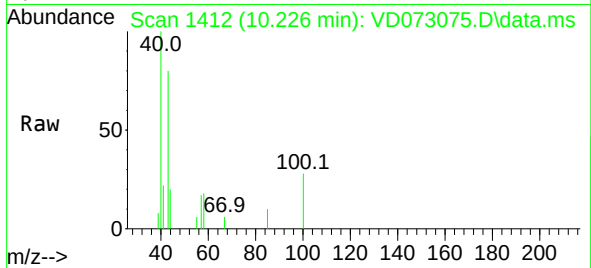




#51
4-Methyl-2-Pentanone
Concen: 1.473 ug/l
RT: 10.226 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

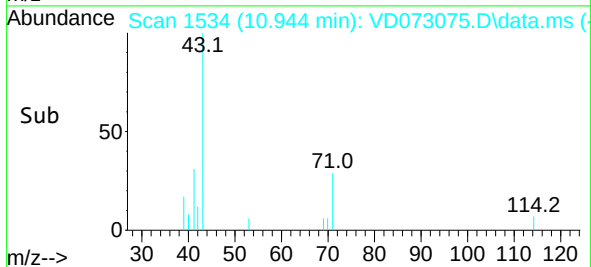
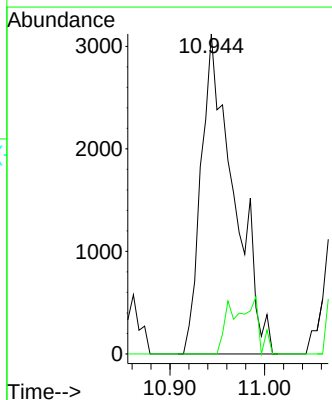
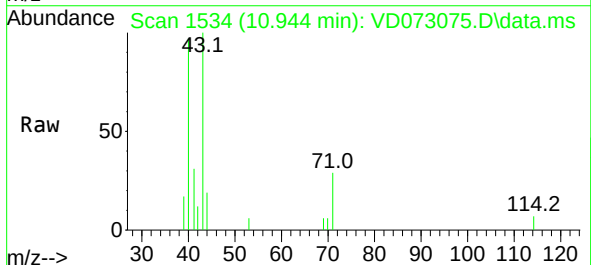
Instrument :
MSVOA_D
ClientSampleId :

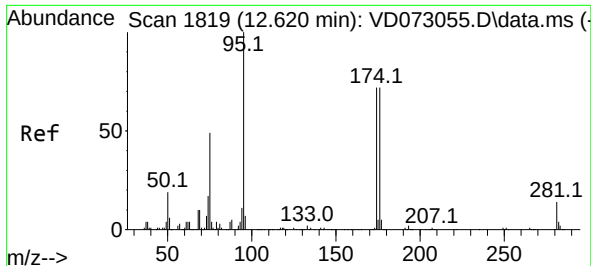
Tgt Ion: 43 Resp: 3948
Ion Ratio Lower Upper
43 100
58 29.2 28.6 43.0



#59
2-Hexanone
Concen: 4.220 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.029 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

Tgt Ion: 43 Resp: 7472
Ion Ratio Lower Upper
43 100
58 8.7 25.3 75.9#

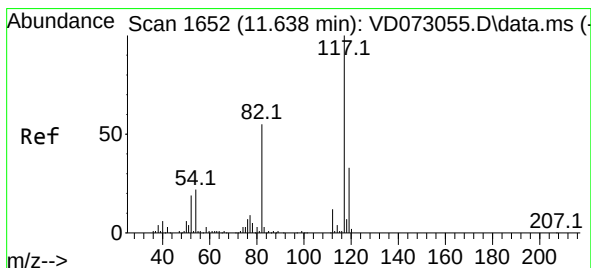
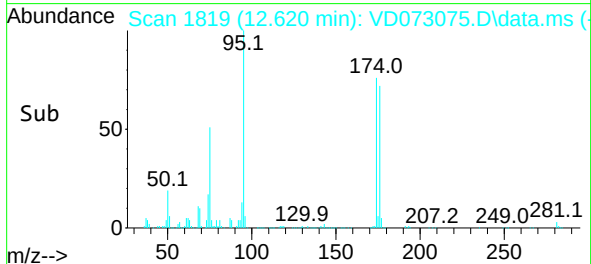
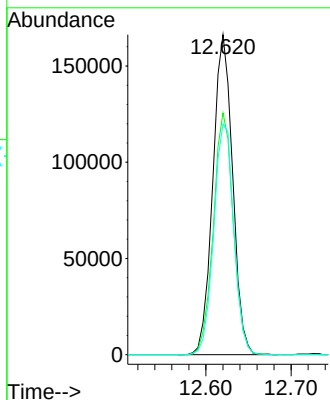
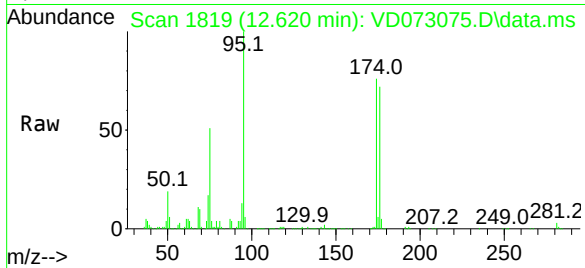




#62
4-Bromofluorobenzene
Concen: 50.499 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

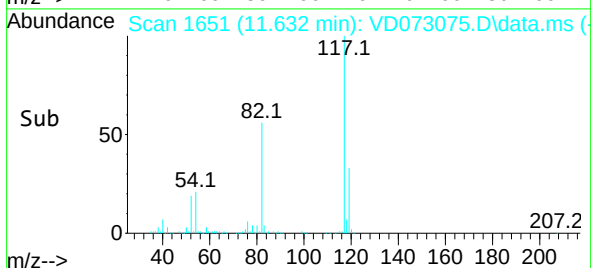
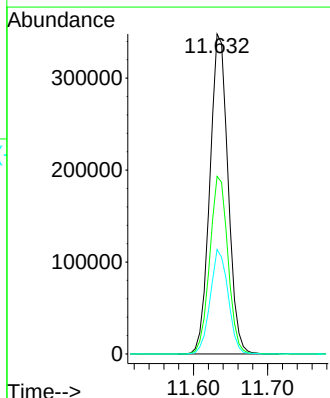
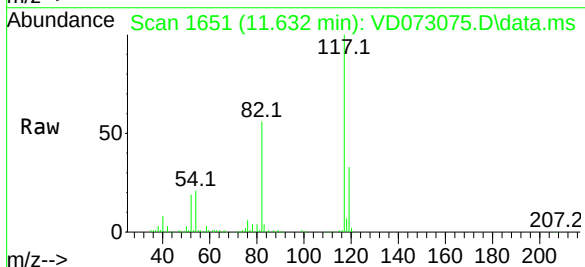
Instrument :
MSVOA_D
ClientSampleId :

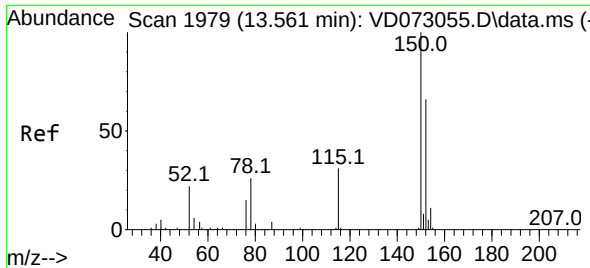
Tgt Ion: 95 Resp: 267857
Ion Ratio Lower Upper
95 100
174 76.2 0.0 152.8
176 73.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

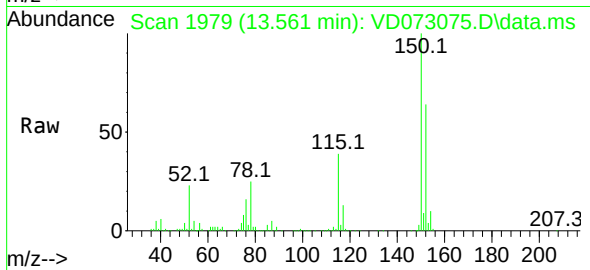
Tgt Ion: 117 Resp: 592299
Ion Ratio Lower Upper
117 100
82 55.5 45.3 67.9
119 32.6 26.6 40.0



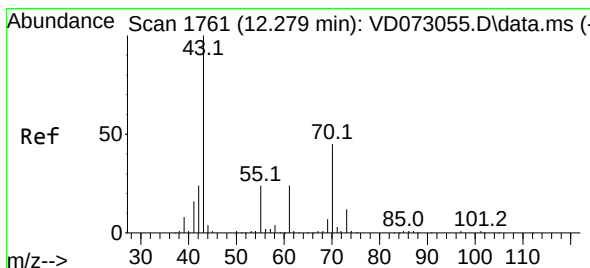
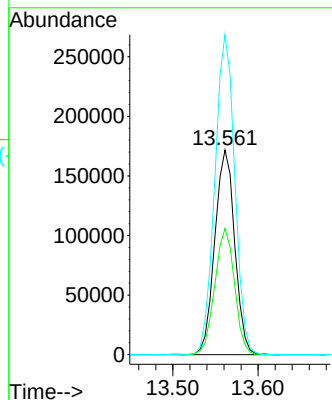
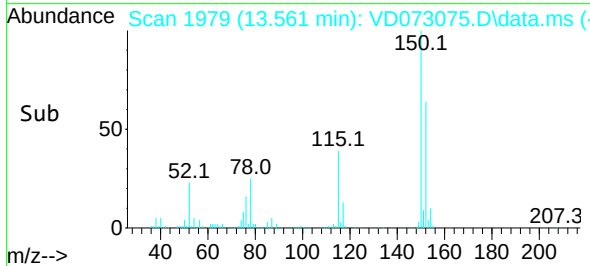


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

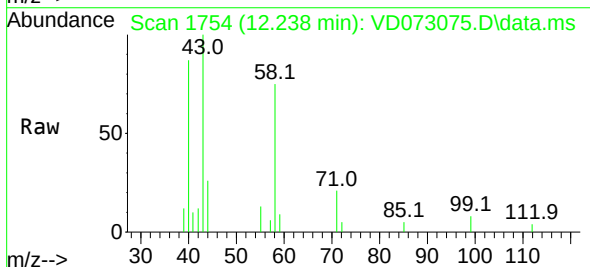
Instrument :
MSVOA_D
ClientSampleId :



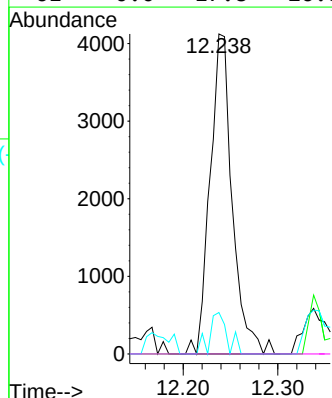
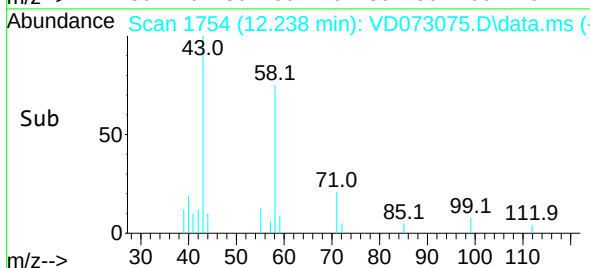
Tgt Ion:152 Resp: 278720
Ion Ratio Lower Upper
152 100
115 61.1 31.3 93.8
150 156.6 0.0 348.6

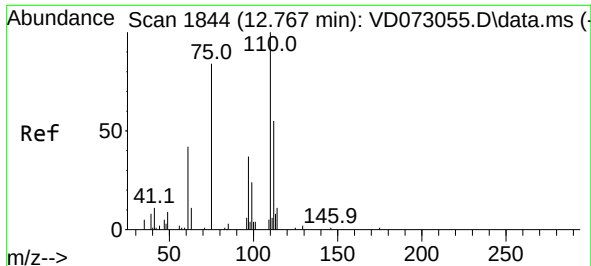


#74
N-ethyl acetate
Concen: 1.366 ug/l
RT: 12.238 min Scan# 1754
Delta R.T. -0.041 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50



Tgt Ion: 43 Resp: 6743
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 10.2 20.0 30.0#
61 0.0 17.8 26.8#

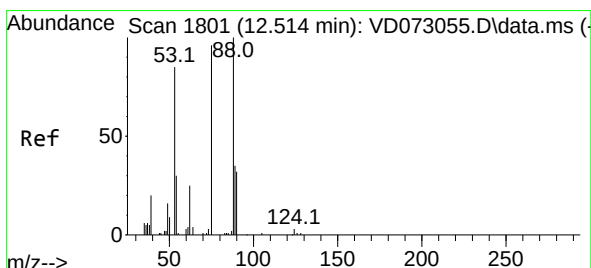
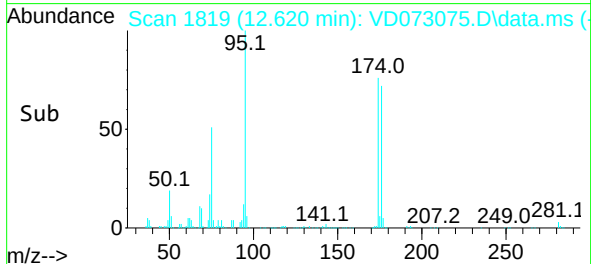
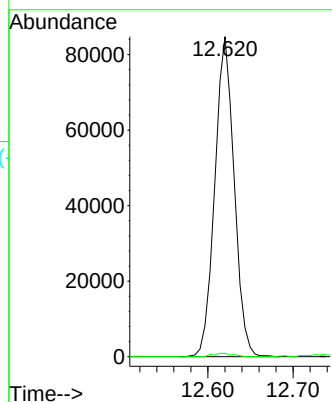
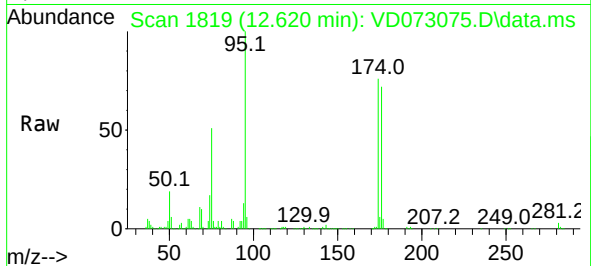




#76
1,2,3-Trichloropropane
Concen: 42.532 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

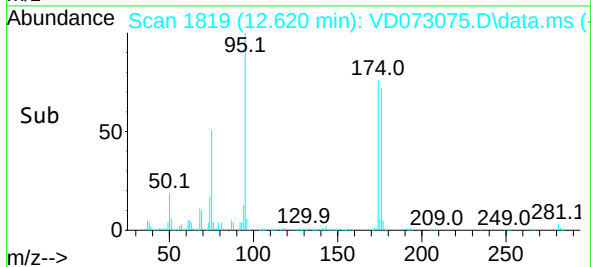
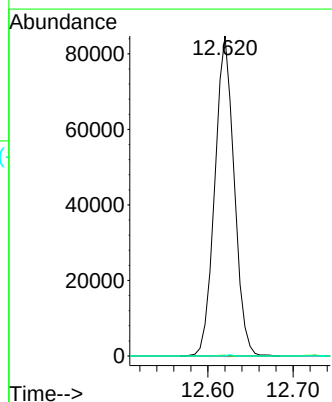
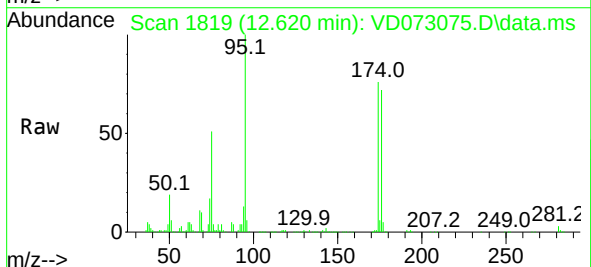
Instrument :
MSVOA_D
ClientSampleId :

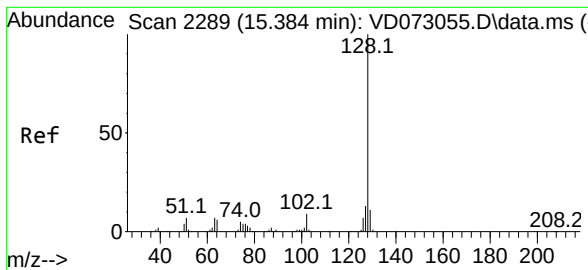
Tgt Ion: 75 Resp: 134007
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.981 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073075.D
Acq: 18 May 2022 00:50

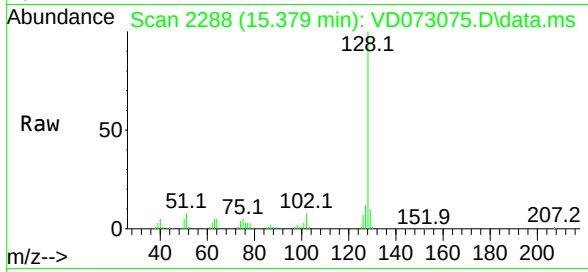
Tgt Ion: 75 Resp: 134007
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#





#95
 Naphthalene
 Concen: 14.049 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: VD073075.D
 Acq: 18 May 2022 00:50

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:128 Resp: 116197
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.3 15.5
 129 11.0 8.4 12.6

