

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073022.D
 Acq On : 14 May 2022 07:41
 Operator : VA/SY
 Sample : N2823-08
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-8

Quant Time: May 16 05:21:38 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

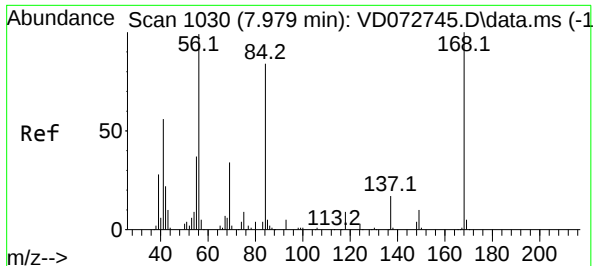
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	346291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	603983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	597097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	280741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	179674	39.971	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.940%		
35) Dibromofluoromethane	7.908	113	123198	29.044	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	58.080%		
50) Toluene-d8	10.331	98	732947	48.170	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.340%		
62) 4-Bromofluorobenzene	12.620	95	273571	48.218	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.440%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.767	94	1085	Below Cal	#	78
11) Tert butyl alcohol	5.220	59	783	2.013	ug/l #	74
16) Acetone	4.155	43	29108	21.874	ug/l	93
18) Methyl Acetate	4.732	43	59	Below Cal	#	55
20) Methylene Chloride	4.961	84	21195	Below Cal		93
25) 2-Butanone	7.214	43	9306	7.105	ug/l #	72
31) Cyclohexane	7.967	56	7882	1.003	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	29877	4.332	ug/l #	47
37) Ethyl Acetate	7.214	43	9306	2.935	ug/l #	72
38) Carbon Tetrachloride	7.973	117	37316	5.212	ug/l #	18
48) Methyl methacrylate	9.426	41	3061	1.069	ug/l #	50
59) 2-Hexanone	10.749	43	4392	2.146	ug/l	64
74) N-amyl acetate	12.237	43	13055	2.400	ug/l #	52
76) 1,2,3-Trichloropropane	12.620	75	138662	44.295	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	138662	101.860	ug/l #	7
95) Naphthalene	15.384	128	464308	46.827	ug/l	98

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

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QLast Update : Tue May 03 08:33:49 2022
Response via : Initial Calibration

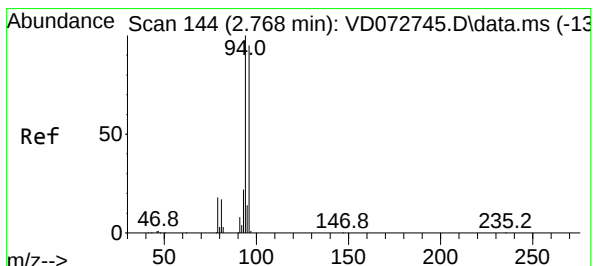
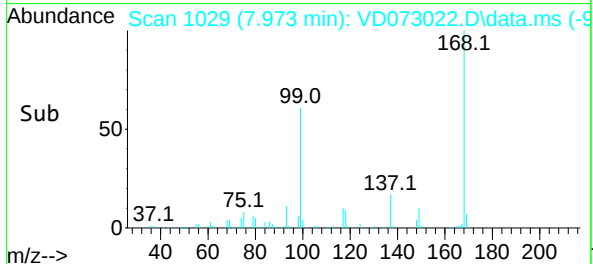
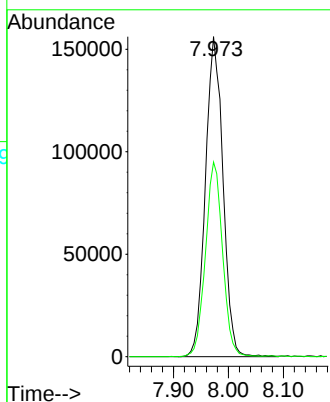
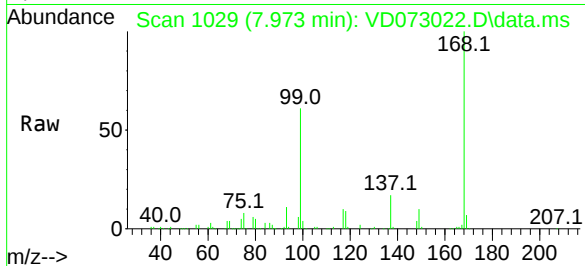




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

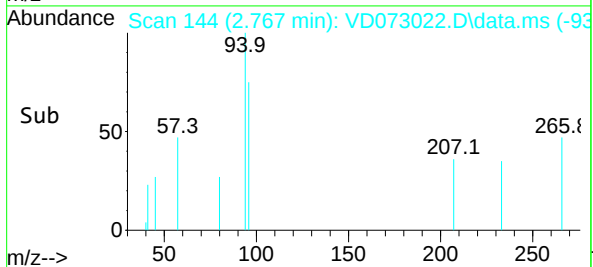
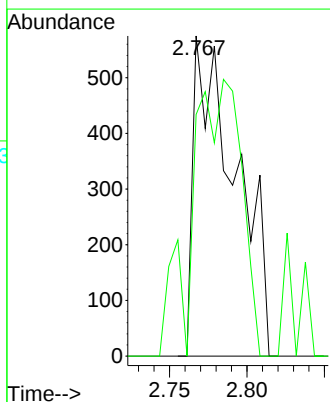
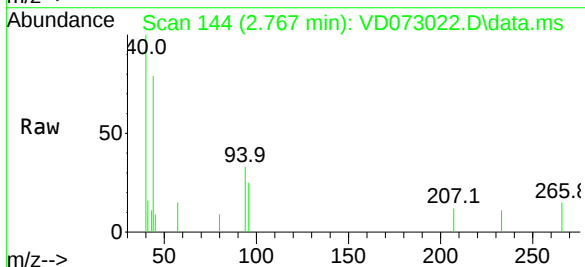
Instrument :
MSVOA_D
ClientSampleId :
SC-8

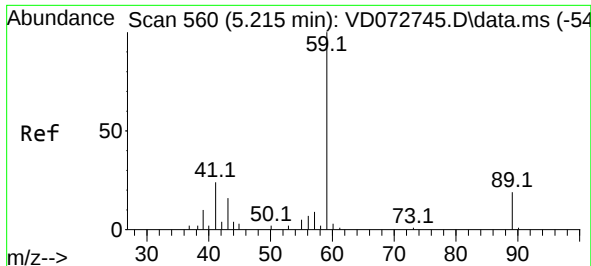
Tgt Ion:168 Resp: 346291
Ion Ratio Lower Upper
168 100
99 60.8 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. -0.001 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

Tgt Ion: 94 Resp: 1085
Ion Ratio Lower Upper
94 100
96 75.5 77.6 116.4#





#11

Tert butyl alcohol

Concen: 2.013 ug/l

RT: 5.220 min Scan# 5

Delta R.T. 0.005 min

Lab File: VD073022.D

Acq: 14 May 2022 07:41

Instrument :

MSVOA_D

ClientSampleId :

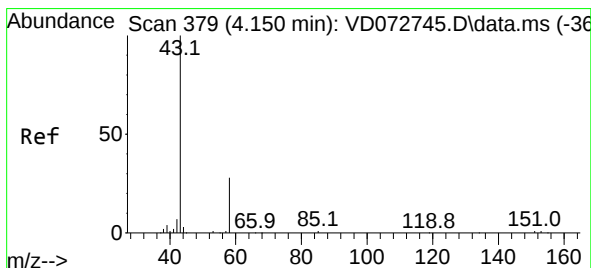
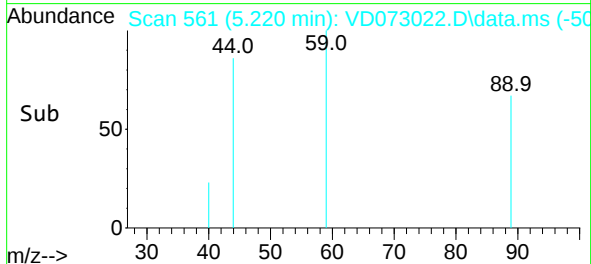
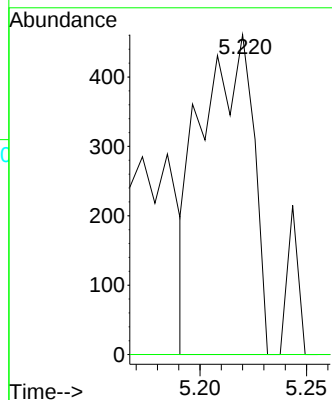
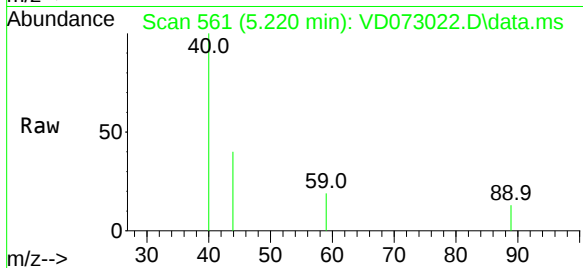
SC-8

Tgt Ion: 59 Resp: 783

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 21.874 ug/l

RT: 4.155 min Scan# 380

Delta R.T. 0.005 min

Lab File: VD073022.D

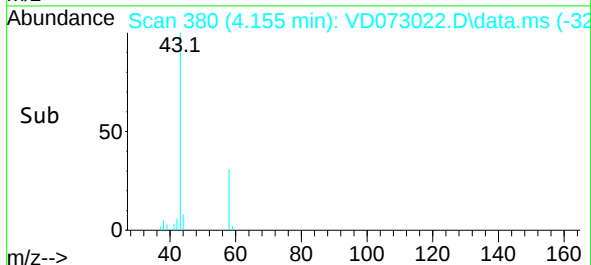
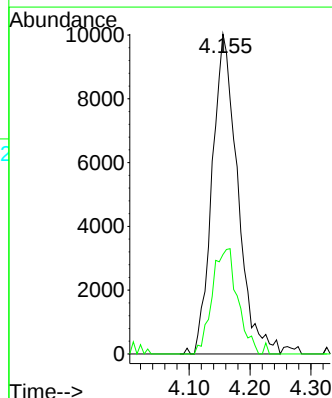
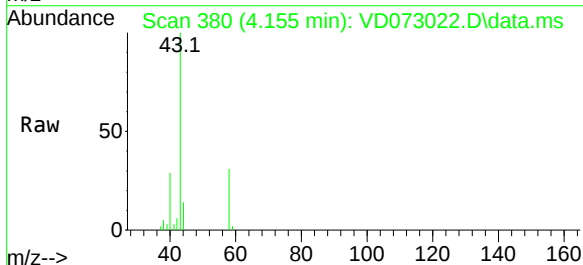
Acq: 14 May 2022 07:41

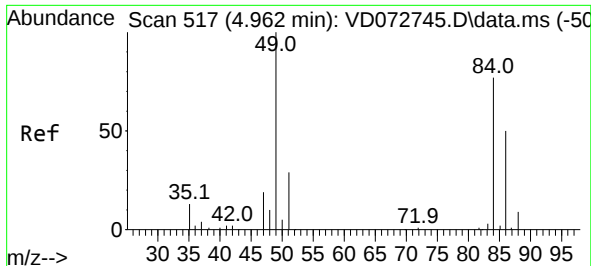
Tgt Ion: 43 Resp: 29108

Ion Ratio Lower Upper

43 100

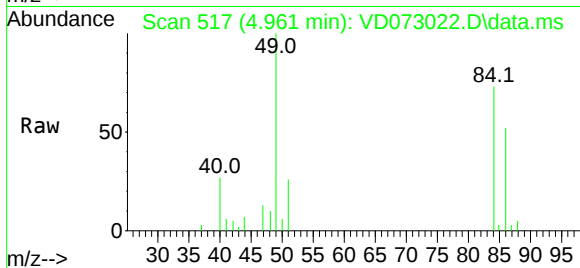
58 31.1 22.1 33.1



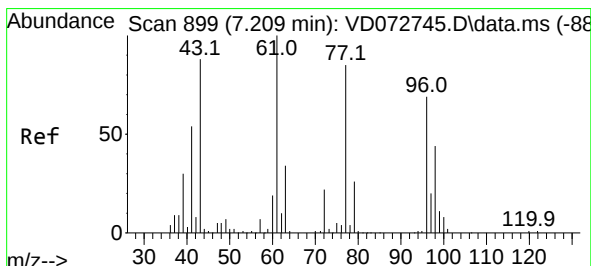
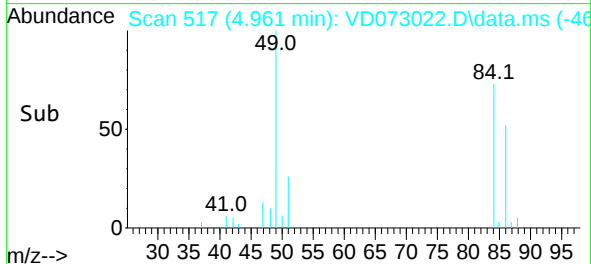
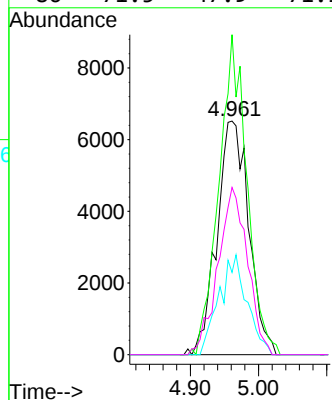


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

Instrument :
MSVOA_D
ClientSampleId :
SC-8

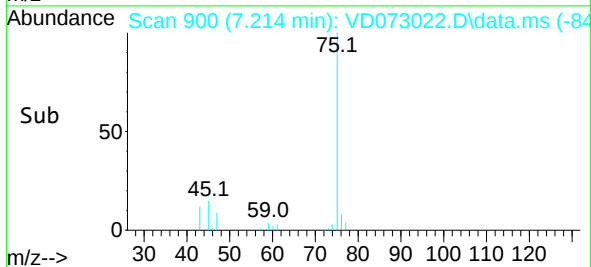
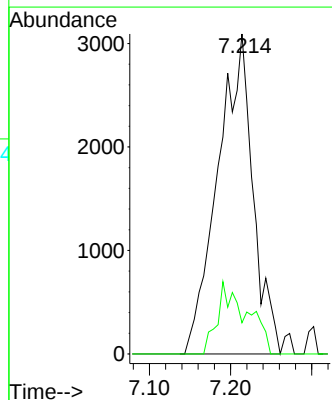
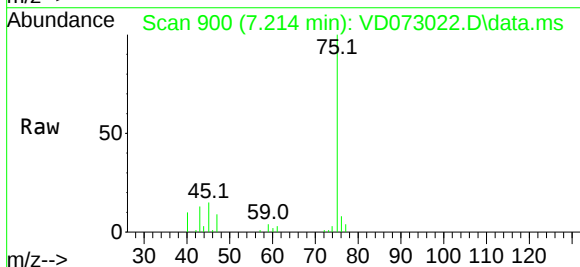


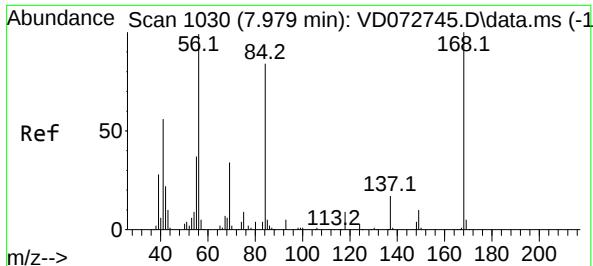
Tgt Ion:	84	Resp:	21195
Ion	Ratio	Lower	Upper
84	100		
49	137.0	112.8	169.2
51	35.2	32.6	48.8
86	71.5	47.9	71.9



#25
2-Butanone
Concen: 7.105 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.005 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

Tgt Ion:	43	Resp:	9306
Ion	Ratio	Lower	Upper
43	100		
72	9.7	18.6	27.8#





#31

Cyclohexane

Concen: 1.003 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073022.D

Acq: 14 May 2022 07:41

Instrument :

MSVOA_D

ClientSampleId :

SC-8

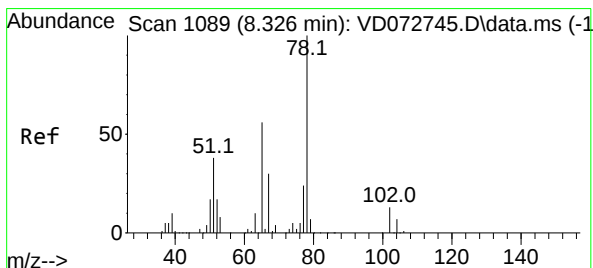
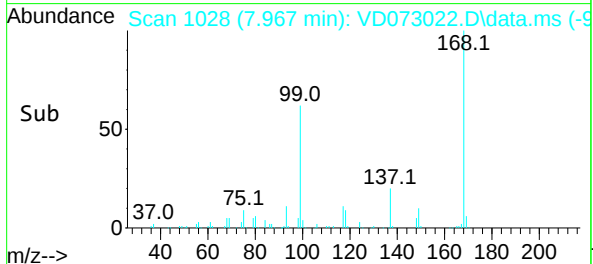
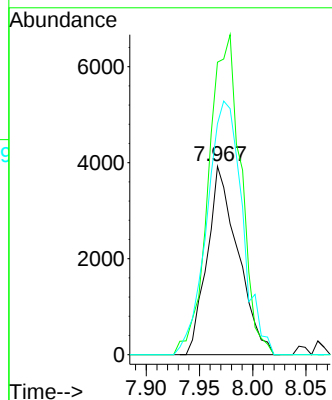
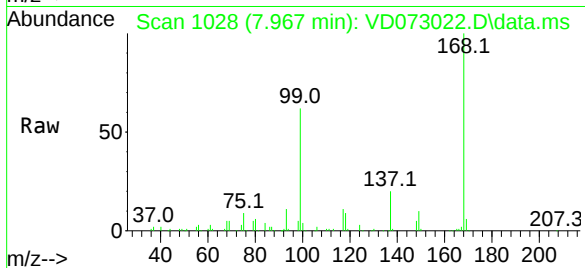
Tgt Ion: 56 Resp: 7882

Ion Ratio Lower Upper

56 100

69 155.2 25.4 38.2#

84 122.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 39.971 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073022.D

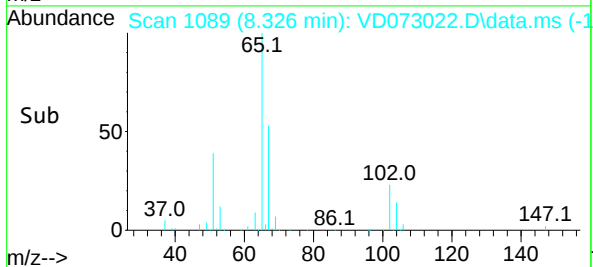
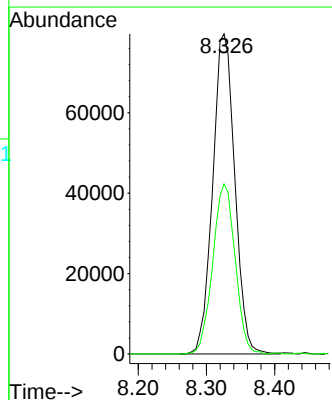
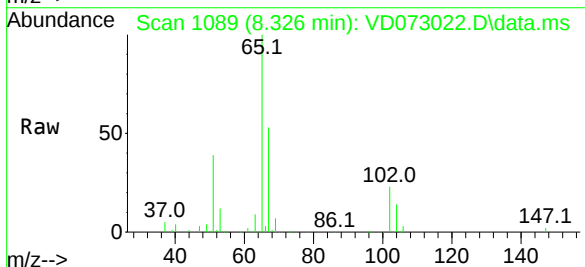
Acq: 14 May 2022 07:41

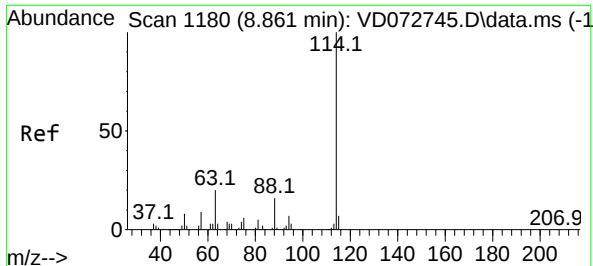
Tgt Ion: 65 Resp: 179674

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: VD073022.D

Acq: 14 May 2022 07:41

Instrument :

MSVOA_D

ClientSampleId :

SC-8

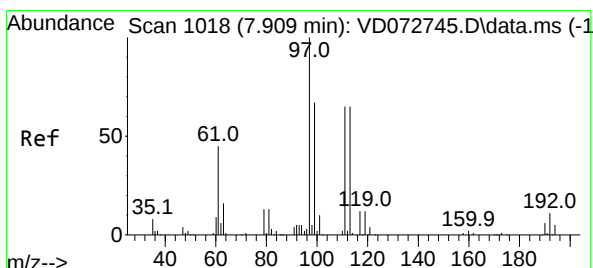
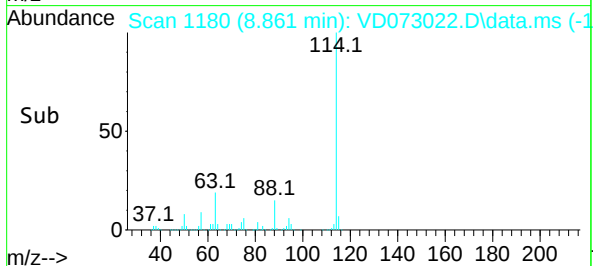
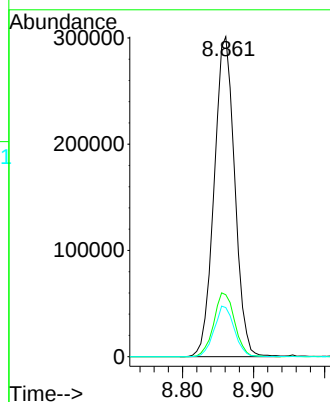
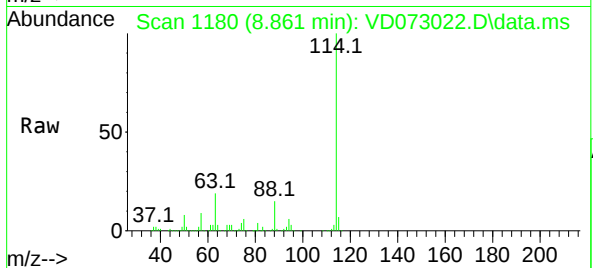
Tgt Ion:114 Resp: 603983

Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 29.044 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD073022.D

Acq: 14 May 2022 07:41

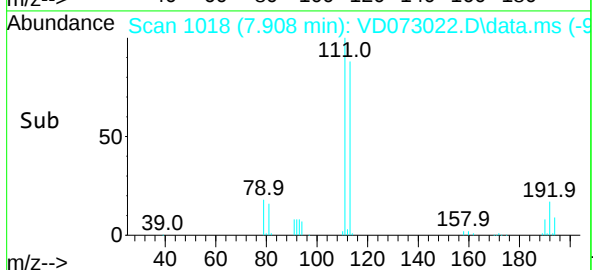
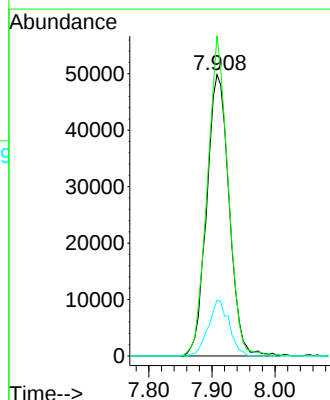
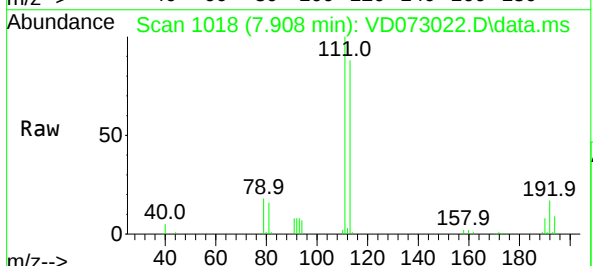
Tgt Ion:113 Resp: 123198

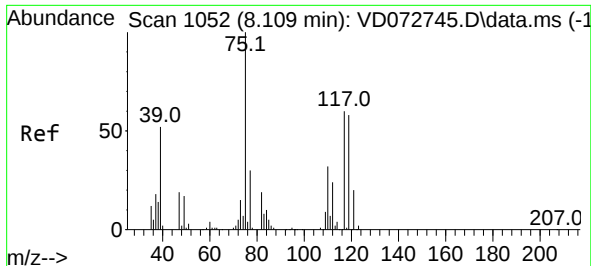
Ion Ratio Lower Upper

113 100

111 105.2 83.8 125.6

192 18.4 14.6 21.8

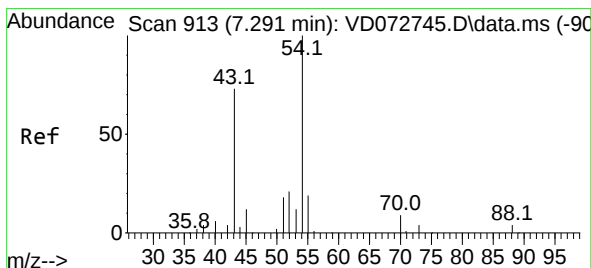
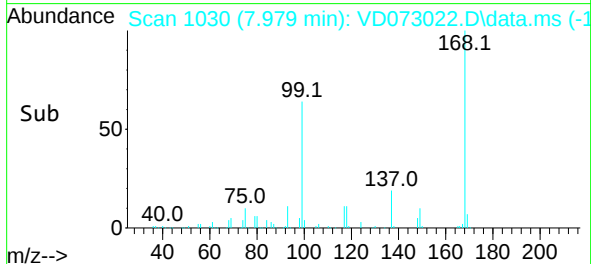
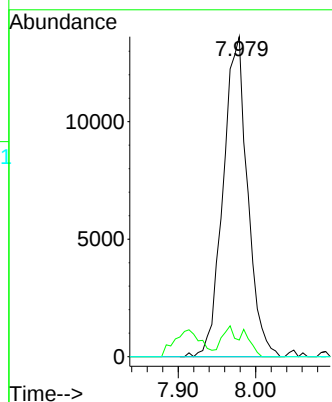
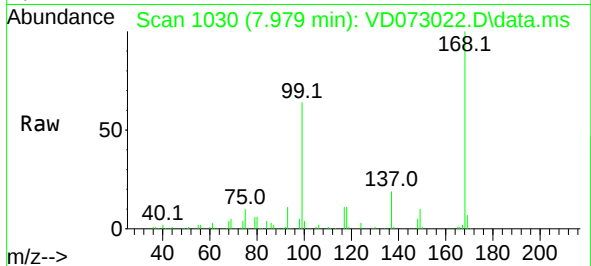




#36
1,1-Dichloropropene
Concen: 4.332 ug/l
RT: 7.979 min Scan# 1052
Delta R.T. -0.130 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

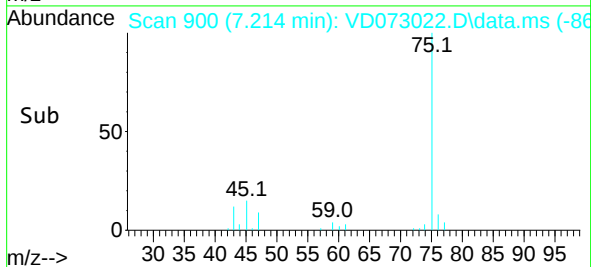
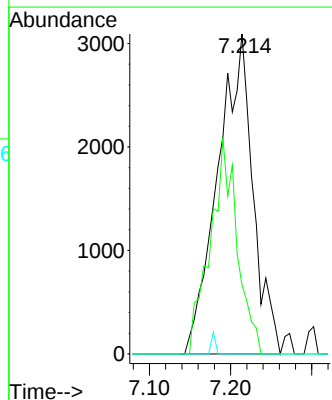
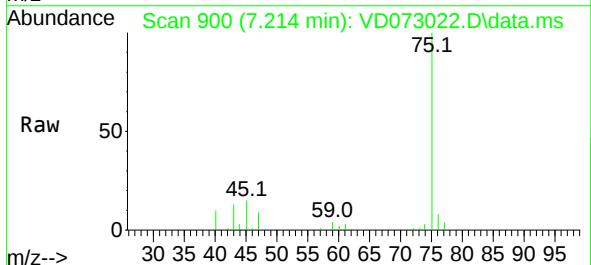
Instrument :
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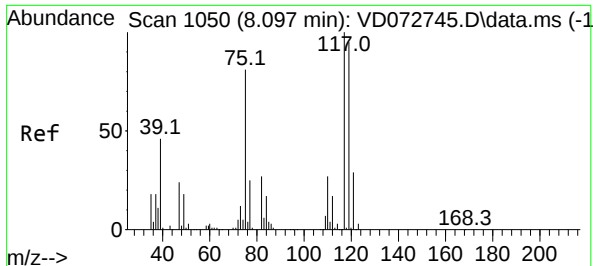
Tgt Ion: 75 Resp: 29877
Ion Ratio Lower Upper
75 100
110 3.9 16.4 49.1#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: 2.935 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

Tgt Ion: 43 Resp: 9306
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 6.9 10.3#

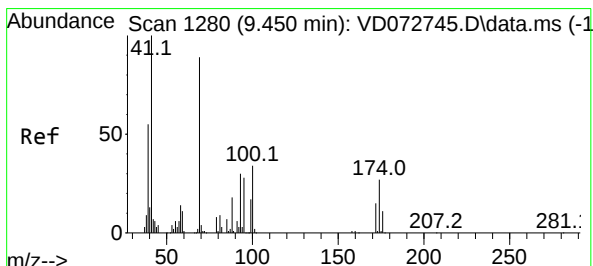
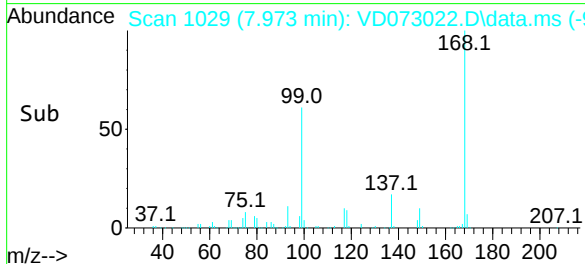
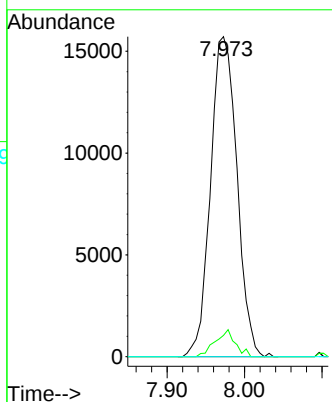
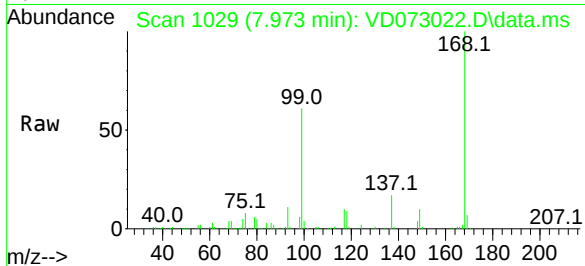




#38
Carbon Tetrachloride
Concen: 5.212 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

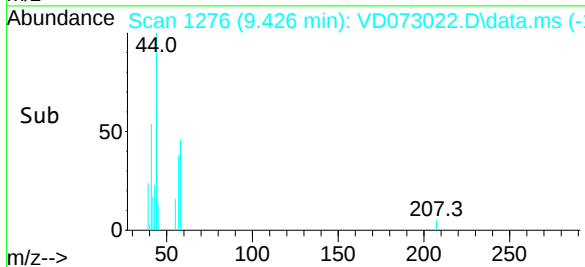
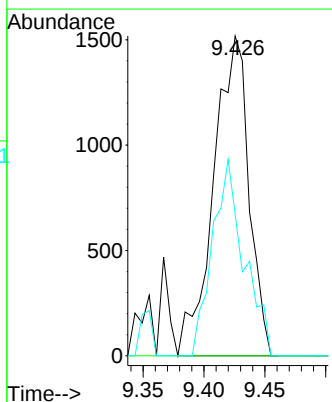
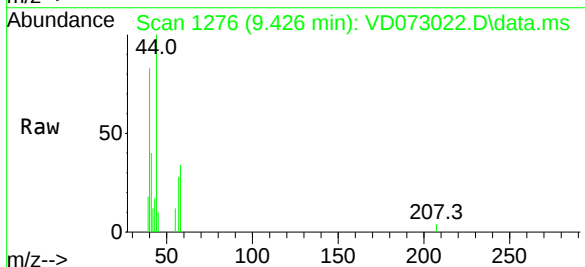
Instrument :
MSVOA_D
ClientSampleId :
SC-8

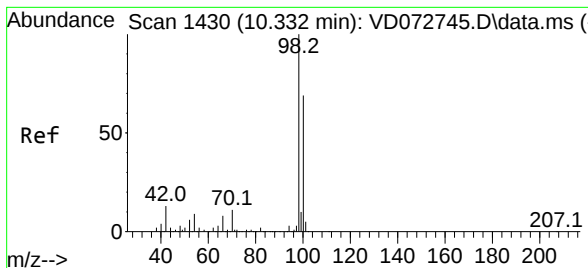
Tgt Ion:117 Resp: 37316
Ion Ratio Lower Upper
117 100
119 6.6 75.8 113.6#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 1.069 ug/l
RT: 9.426 min Scan# 1276
Delta R.T. -0.024 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

Tgt Ion: 41 Resp: 3061
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 55.1 42.7 64.1

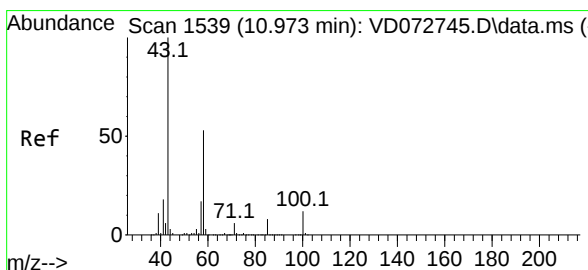
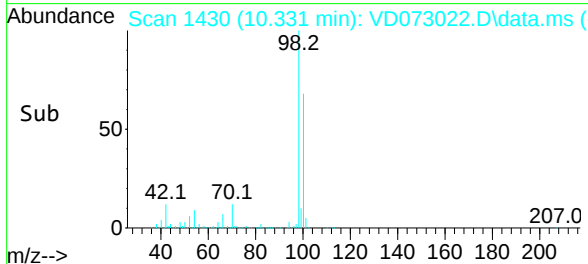
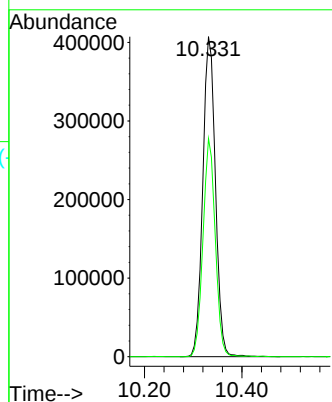
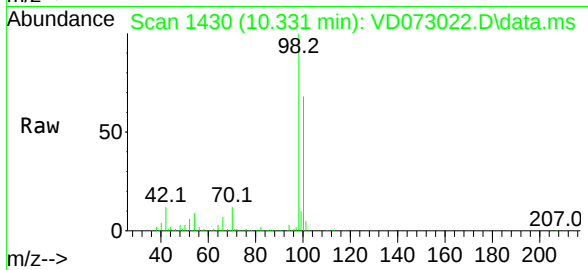




#50
Toluene-d8
Concen: 48.170 ug/l
RT: 10.331 min Scan# 14
Delta R.T. -0.001 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

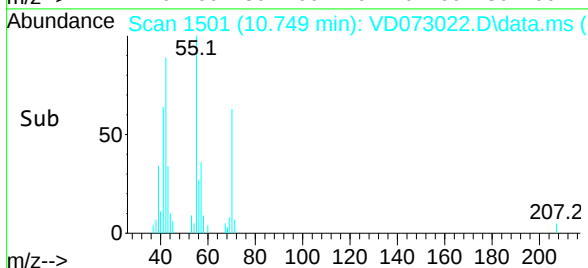
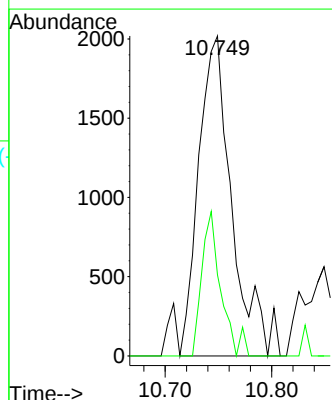
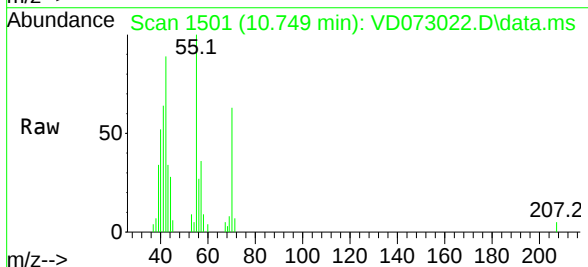
Instrument :
MSVOA_D
ClientSampleId :
SC-8

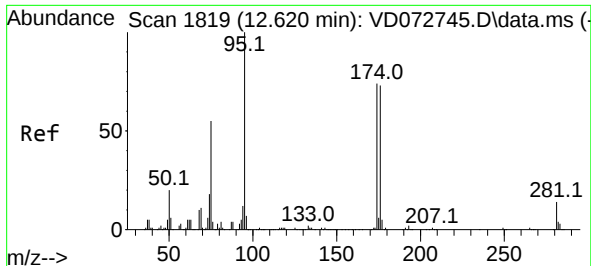
Tgt Ion: 98 Resp: 732947
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#59
2-Hexanone
Concen: 2.146 ug/l
RT: 10.749 min Scan# 1501
Delta R.T. -0.224 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

Tgt Ion: 43 Resp: 4392
Ion Ratio Lower Upper
43 100
58 25.8 25.3 75.9

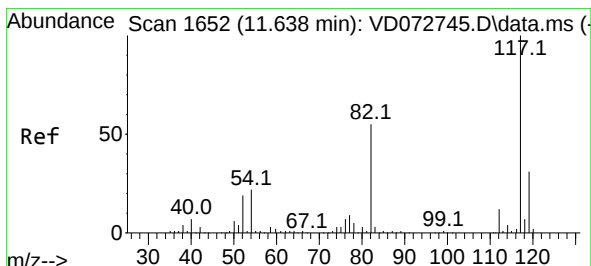
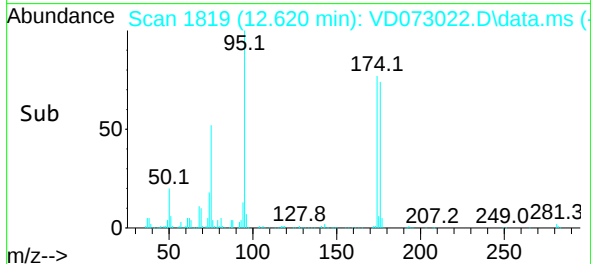
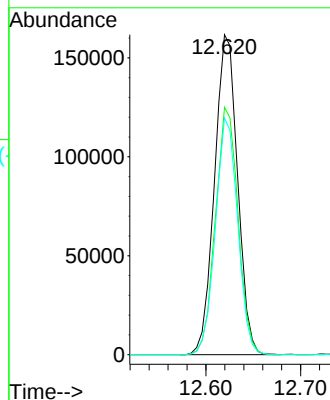
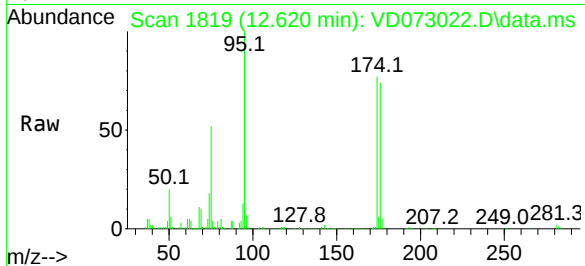




#62
4-Bromofluorobenzene
Concen: 48.218 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

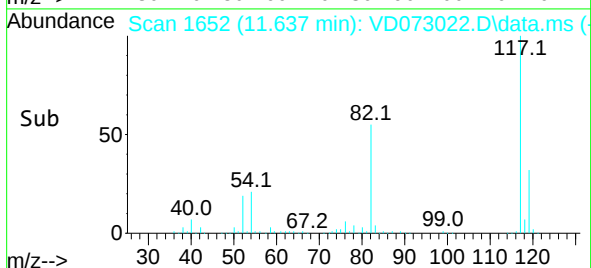
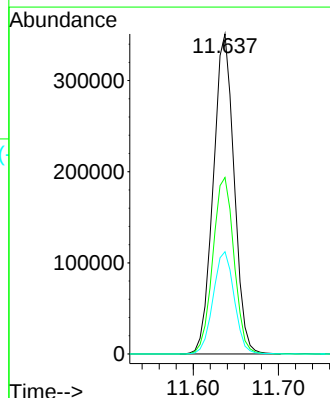
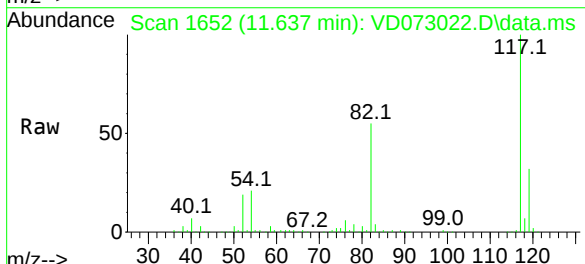
Instrument :
MSVOA_D
ClientSampleId :
SC-8

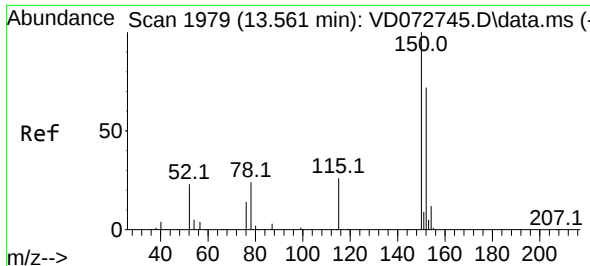
Tgt Ion: 95 Resp: 273571
Ion Ratio Lower Upper
95 100
174 76.0 0.0 152.8
176 71.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

Tgt Ion: 117 Resp: 597097
Ion Ratio Lower Upper
117 100
82 55.2 45.3 67.9
119 32.0 26.6 40.0

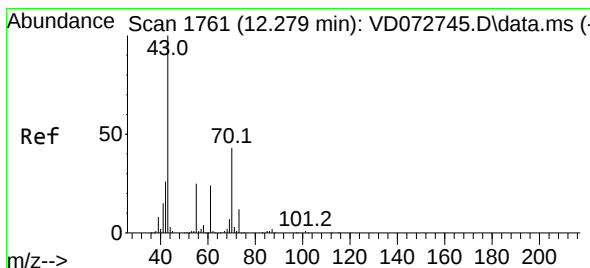
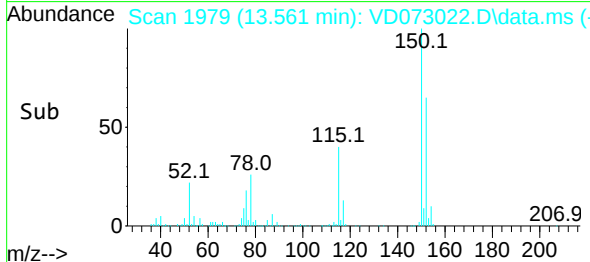
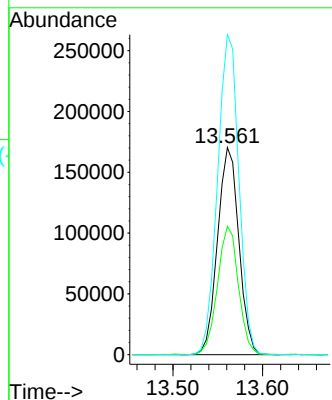
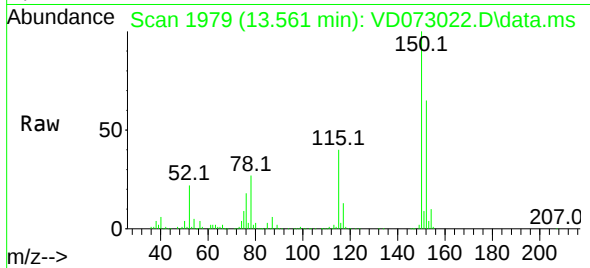




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. -0.000 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

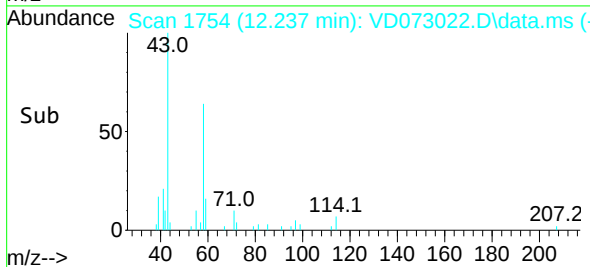
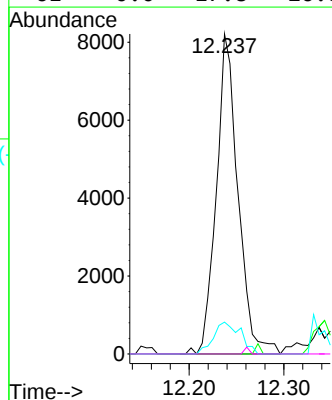
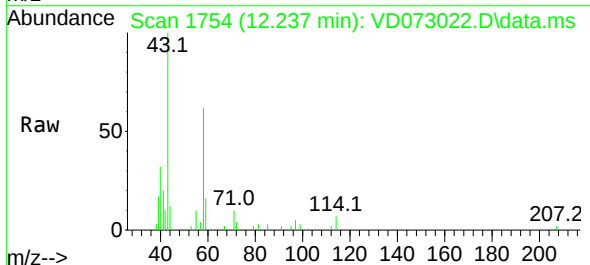
Instrument :
MSVOA_D
ClientSampleId :
SC-8

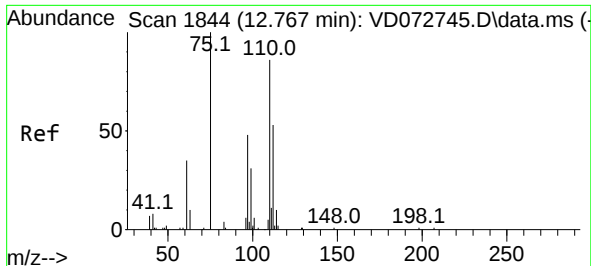
Tgt Ion:152 Resp: 280741
Ion Ratio Lower Upper
152 100
115 60.6 31.3 93.8
150 154.7 0.0 348.6



#74
N-ethyl acetate
Concen: 2.400 ug/l
RT: 12.237 min Scan# 1754
Delta R.T. -0.042 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

Tgt Ion: 43 Resp: 13055
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 12.5 20.0 30.0#
61 0.0 17.8 26.8#

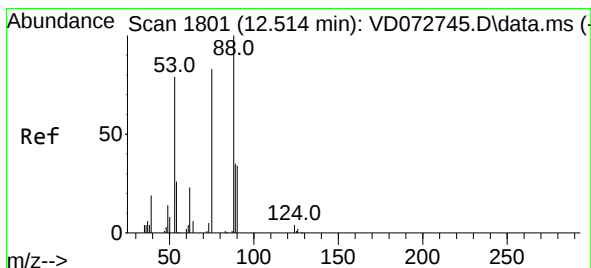
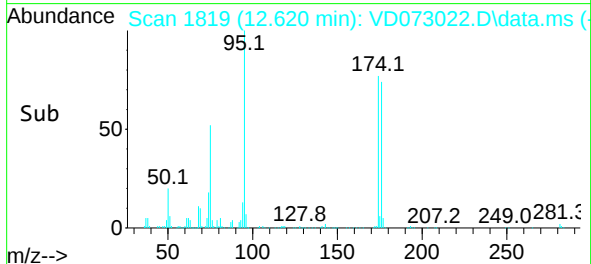
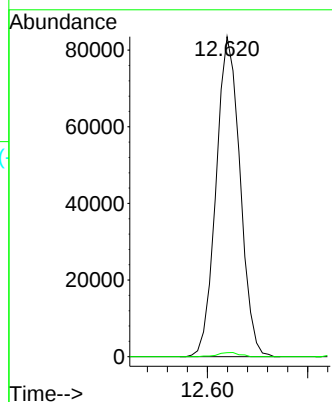
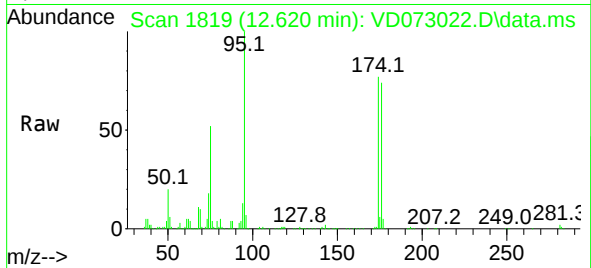




#76
1,2,3-Trichloropropane
Concen: 44.295 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

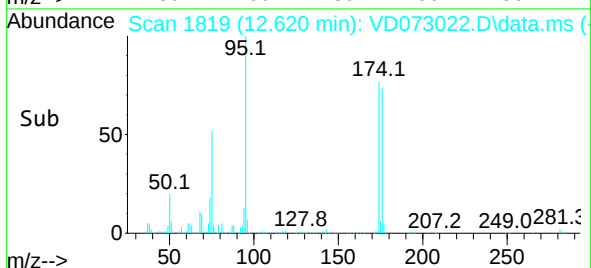
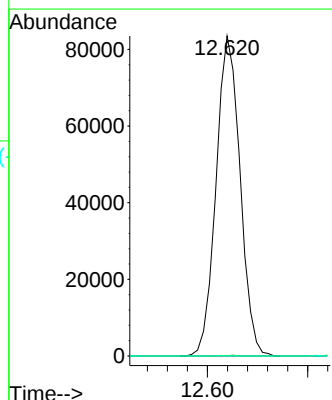
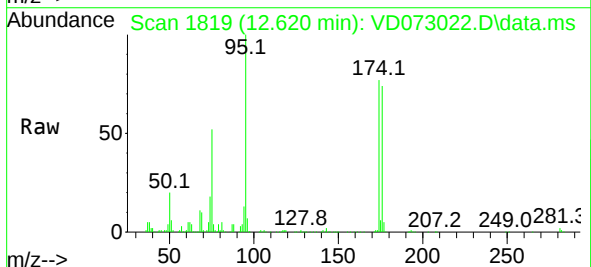
Instrument :
MSVOA_D
ClientSampleId :
SC-8

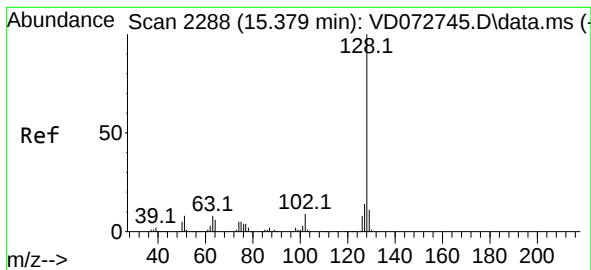
Tgt Ion: 75 Resp: 138662
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.860 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073022.D
Acq: 14 May 2022 07:41

Tgt Ion: 75 Resp: 138662
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#





#95

Naphthalene

Concen: 46.827 ug/l

RT: 15.384 min Scan# 21

Delta R.T. 0.005 min

Lab File: VD073022.D

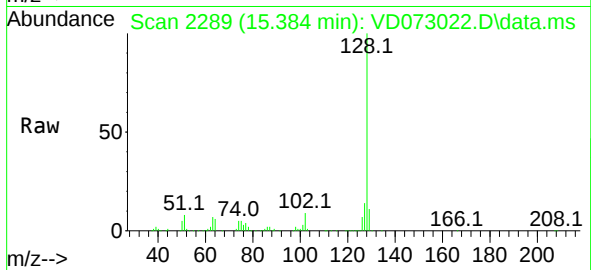
Acq: 14 May 2022 07:41

Instrument :

MSVOA_D

ClientSampleId :

SC-8



Tgt Ion:128 Resp: 464308

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 11.3 8.4 12.6

