

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052522\
 Data File : VD073374.D
 Acq On : 25 May 2022 21:41
 Operator : VA/SY
 Sample : N2886-18
 Misc : 6.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P030-SS001-0612-01

Quant Time: May 26 02:27:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

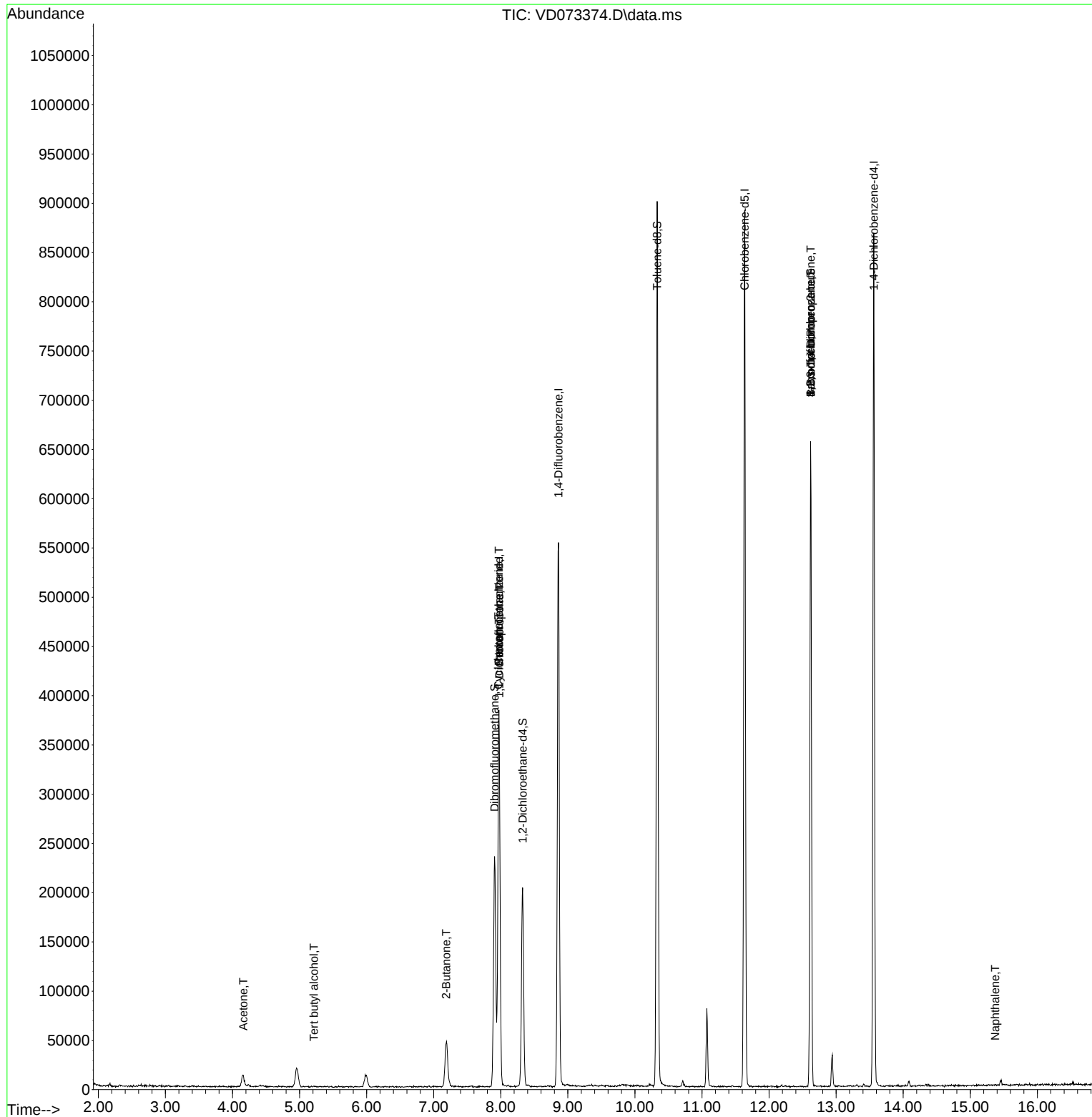
Internal Standards						
1) Pentafluorobenzene	7.973	168	273330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	478144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	513410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	228889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	156919	51.948	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.900%	
35) Dibromofluoromethane	7.908	113	169216	53.632	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.260%	
50) Toluene-d8	10.332	98	594915	51.151	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.300%	
62) 4-Bromofluorobenzene	12.620	95	221051	54.158	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	336	Below Cal	#	44
11) Tert butyl alcohol	5.214	59	852	1.818	ug/l #	74
16) Acetone	4.162	43	22291	42.604	ug/l	97
25) 2-Butanone	7.185	43	1692	2.210	ug/l	96
31) Cyclohexane	7.967	56	6913	1.310	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	22602	4.763	ug/l #	51
38) Carbon Tetrachloride	7.973	117	29374	6.107	ug/l #	17
71) Bromoform	12.620	173	2107	1.048	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	109843	48.910	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	109843	117.419	ug/l #	7
95) Naphthalene	15.373	128	60	3.549	ug/l #	70

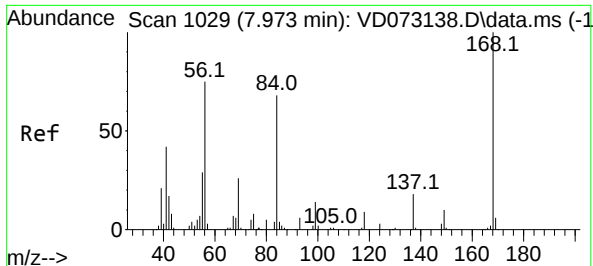
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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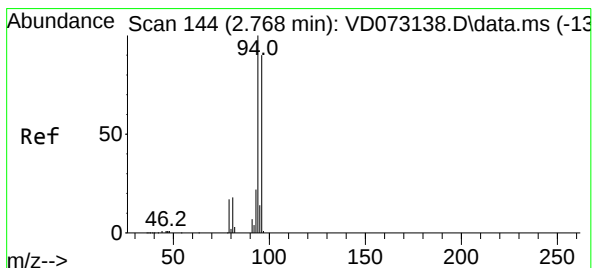
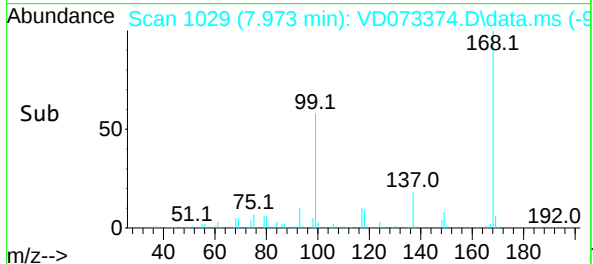
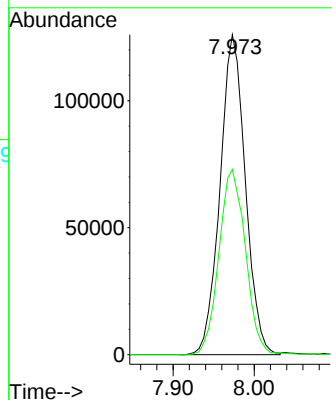
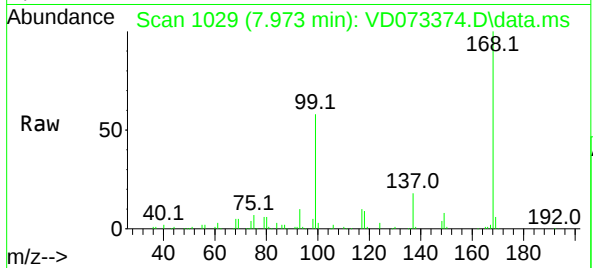




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073374.D
Acq: 25 May 2022 21:41

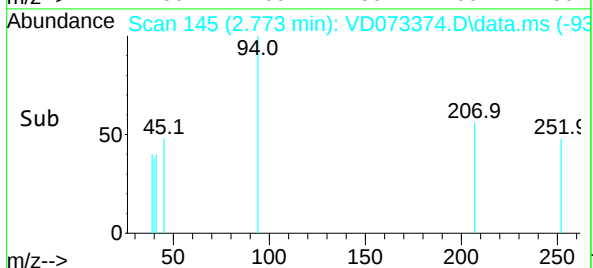
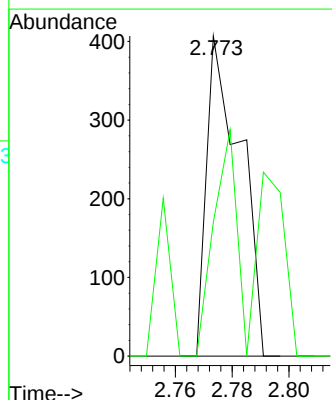
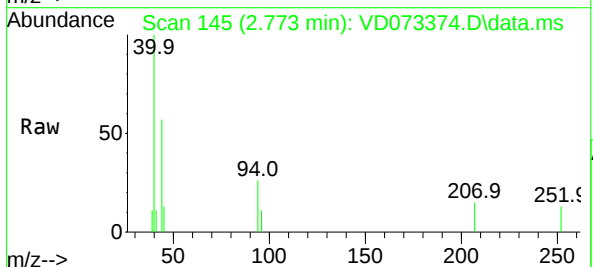
Instrument :
MSVOA_D
ClientSampleId :
P030-SS001-0612-01

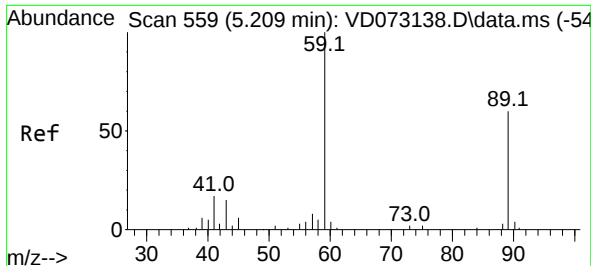
Tgt Ion:168 Resp: 273330
Ion Ratio Lower Upper
168 100
99 57.9 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073374.D
Acq: 25 May 2022 21:41

Tgt Ion: 94 Resp: 336
Ion Ratio Lower Upper
94 100
96 41.8 77.6 116.4#





#11

Tert butyl alcohol

Concen: 1.818 ug/l

RT: 5.214 min Scan# 5

Delta R.T. 0.005 min

Lab File: VD073374.D

Acq: 25 May 2022 21:41

Instrument :

MSVOA_D

ClientSampleId :

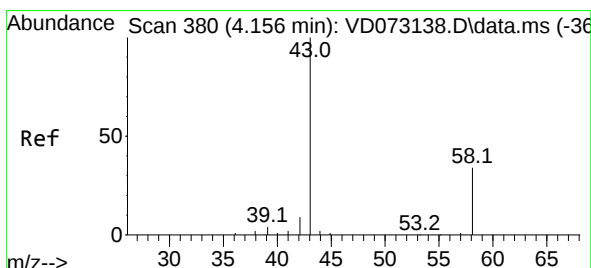
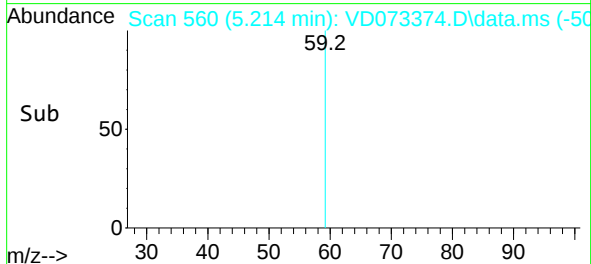
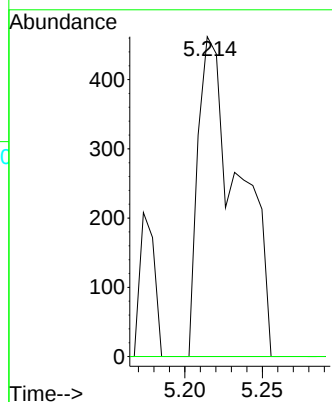
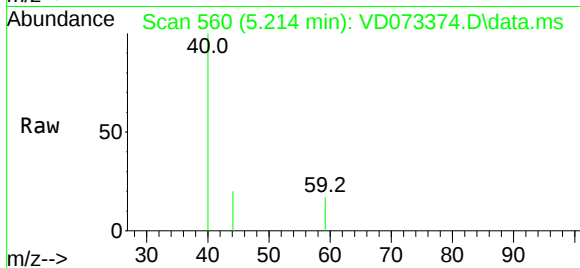
P030-SS001-0612-01

Tgt Ion: 59 Resp: 852

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 42.604 ug/l

RT: 4.162 min Scan# 381

Delta R.T. 0.006 min

Lab File: VD073374.D

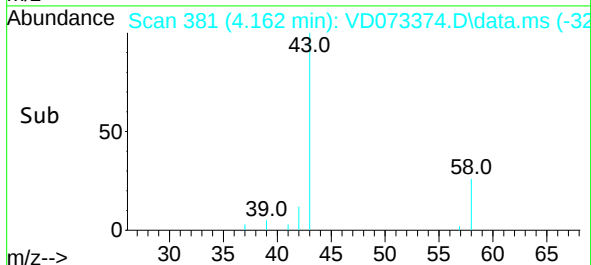
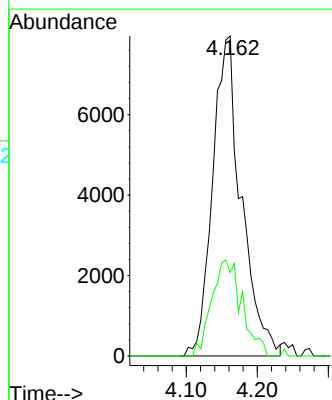
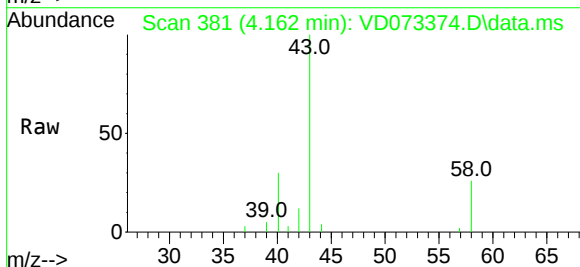
Acq: 25 May 2022 21:41

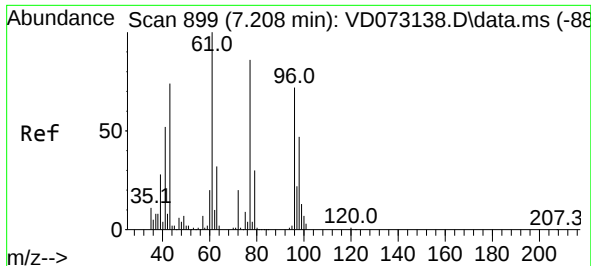
Tgt Ion: 43 Resp: 22291

Ion Ratio Lower Upper

43 100

58 26.1 22.1 33.1





#25

2-Butanone

Concen: 2.210 ug/l

RT: 7.185 min Scan# 89

Delta R.T. -0.023 min

Lab File: VD073374.D

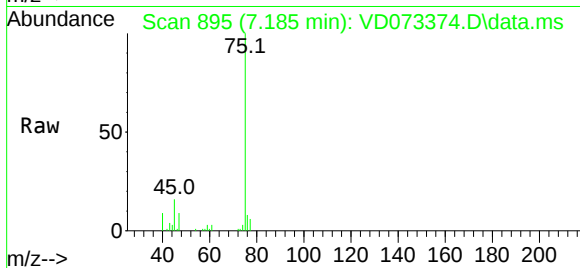
Acq: 25 May 2022 21:41

Instrument :

MSVOA_D

ClientSampleId :

P030-SS001-0612-01

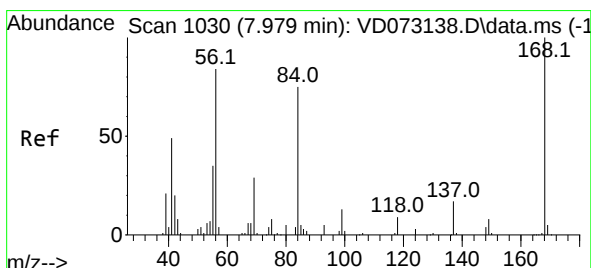
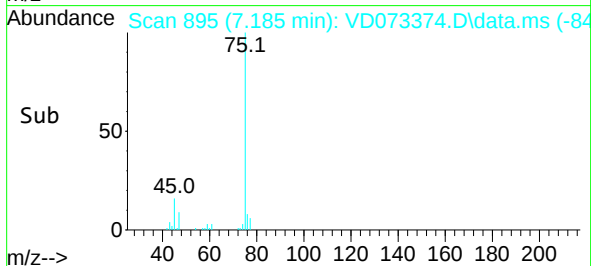
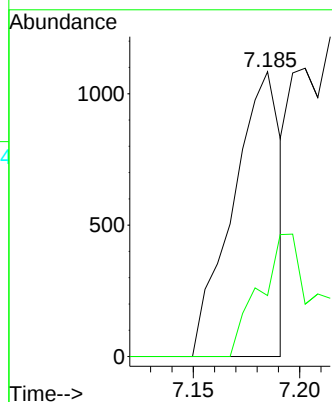


Tgt Ion: 43 Resp: 1692

Ion Ratio Lower Upper

43 100

72 21.4 18.6 27.8



#31

Cyclohexane

Concen: 1.310 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073374.D

Acq: 25 May 2022 21:41

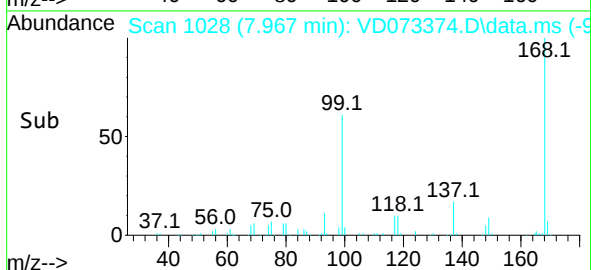
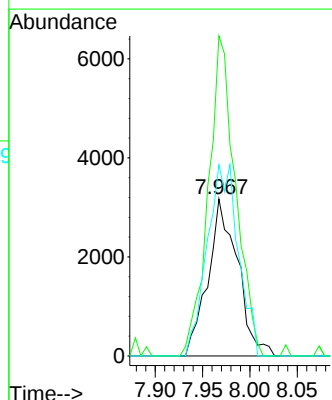
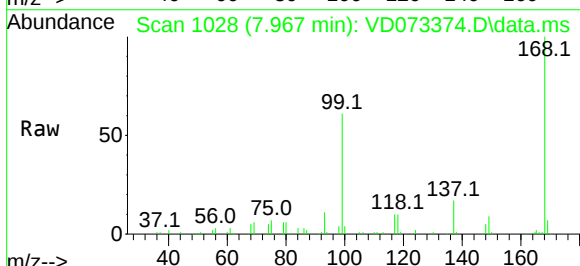
Tgt Ion: 56 Resp: 6913

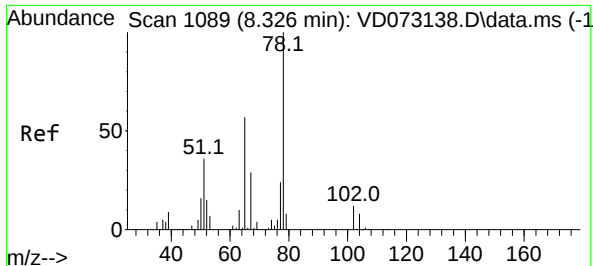
Ion Ratio Lower Upper

56 100

69 203.9 25.4 38.2#

84 121.7 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.948 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073374.D

Acq: 25 May 2022 21:41

Instrument :

MSVOA_D

ClientSampleId :

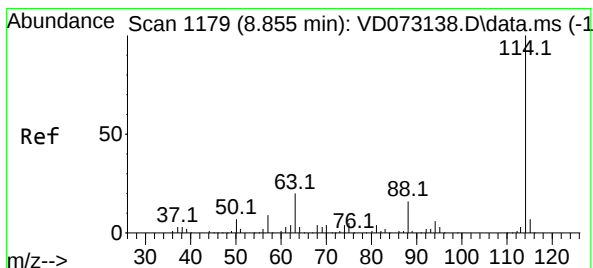
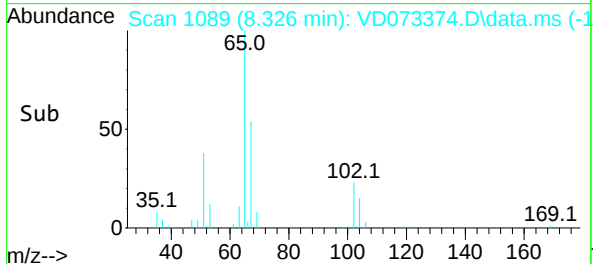
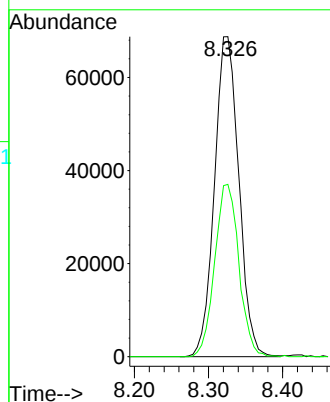
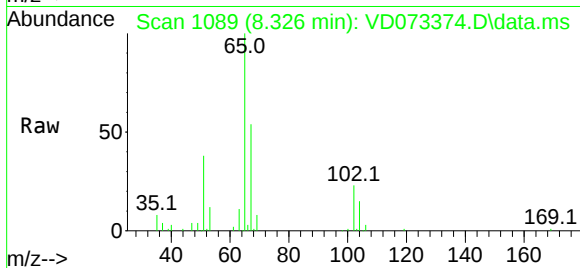
P030-SS001-0612-01

Tgt Ion: 65 Resp: 156919

Ion Ratio Lower Upper

65 100

67 53.5 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073374.D

Acq: 25 May 2022 21:41

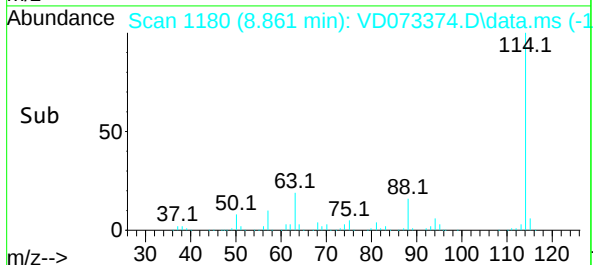
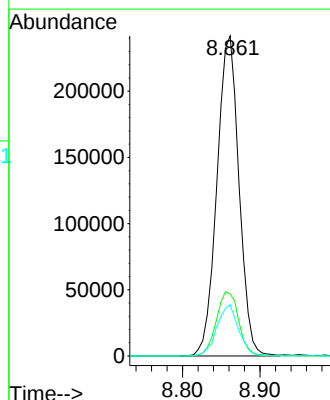
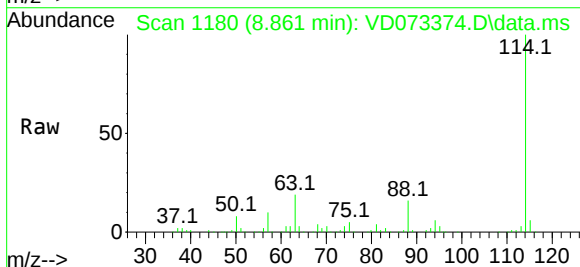
Tgt Ion: 114 Resp: 478144

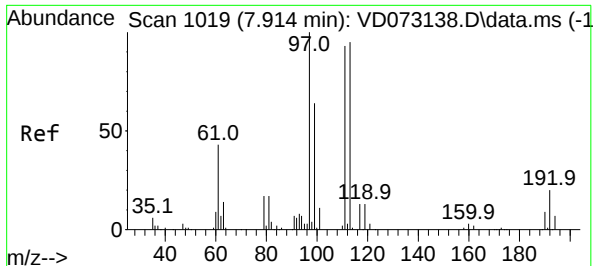
Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 53.632 ug/l

RT: 7.908 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD073374.D

Acq: 25 May 2022 21:41

Instrument :

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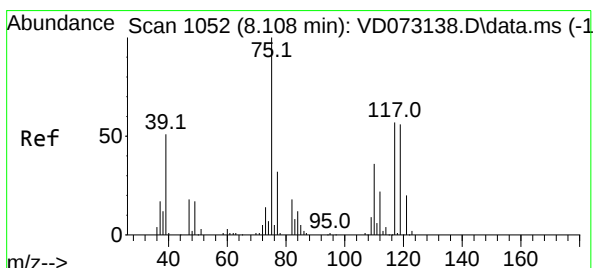
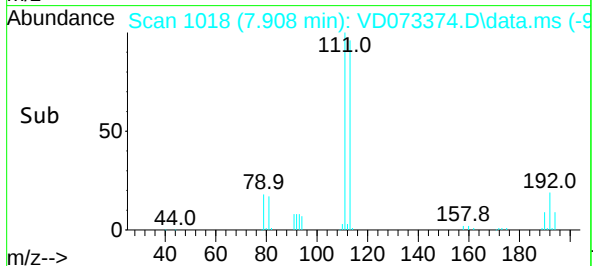
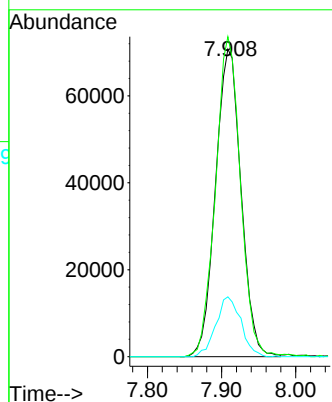
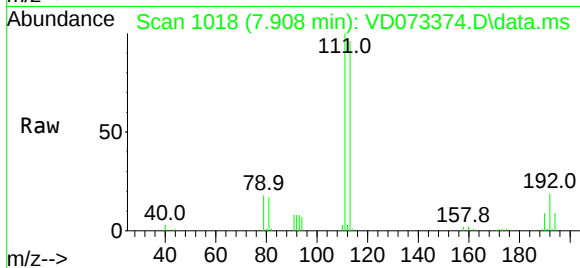
Tgt Ion:113 Resp: 169216

Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 19.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.763 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD073374.D

Acq: 25 May 2022 21:41

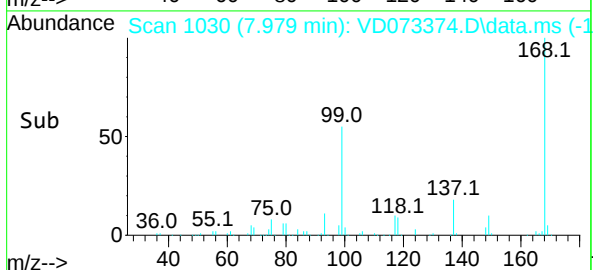
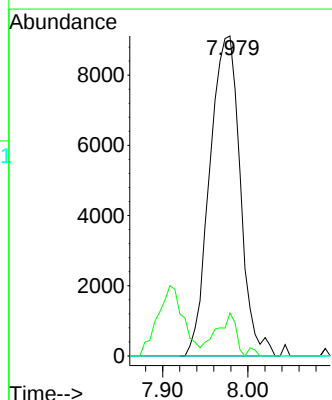
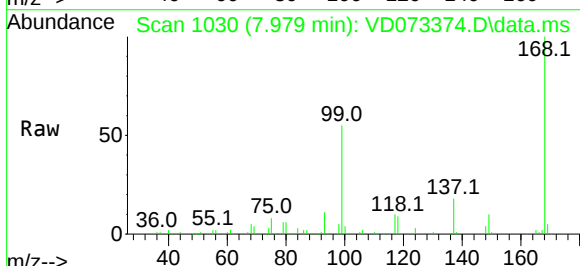
Tgt Ion: 75 Resp: 22602

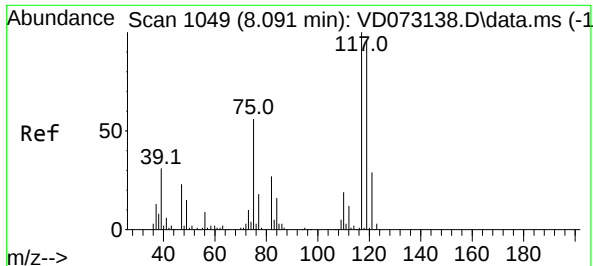
Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.1#

77 0.0 24.2 36.2#

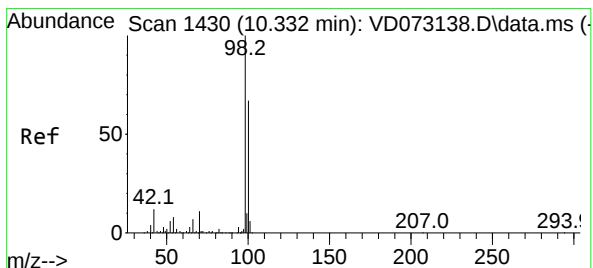
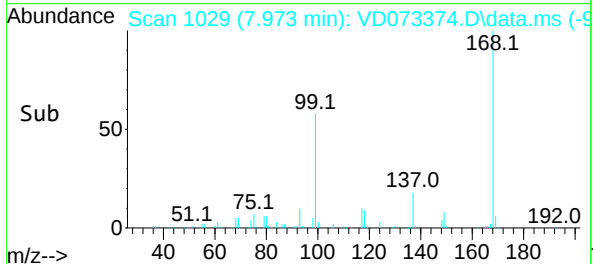
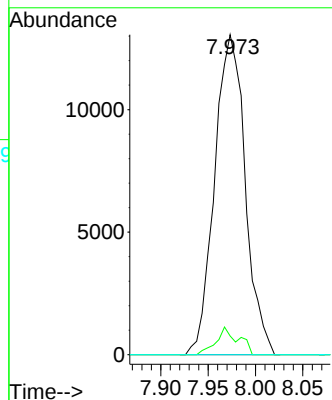
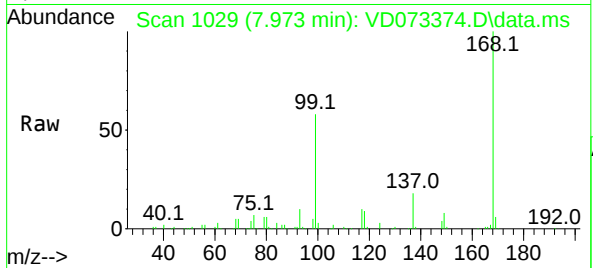




#38
Carbon Tetrachloride
Concen: 6.107 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073374.D
Acq: 25 May 2022 21:41

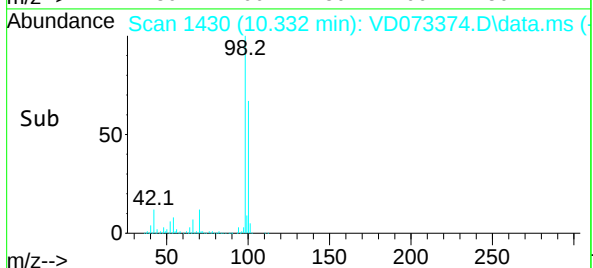
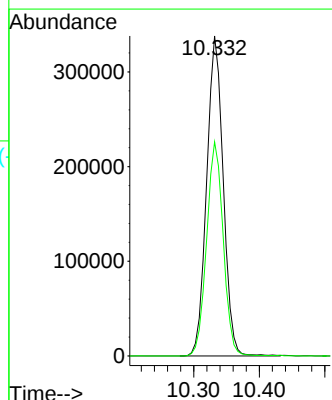
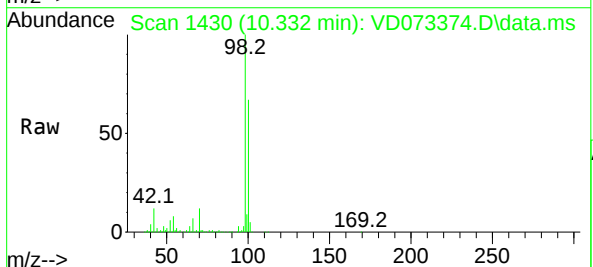
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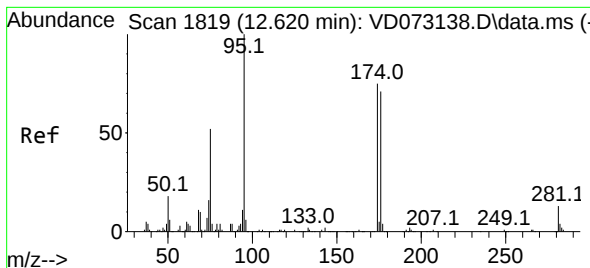
Tgt Ion:117 Resp: 29374
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.151 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073374.D
Acq: 25 May 2022 21:41

Tgt Ion: 98 Resp: 594915
Ion Ratio Lower Upper
98 100
100 67.0 52.4 78.6

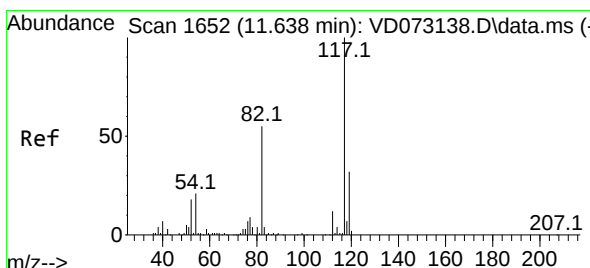
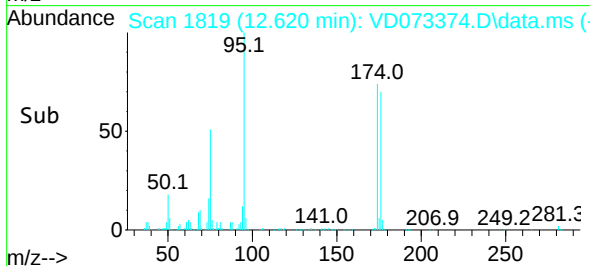
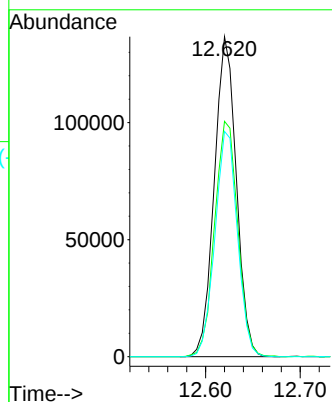
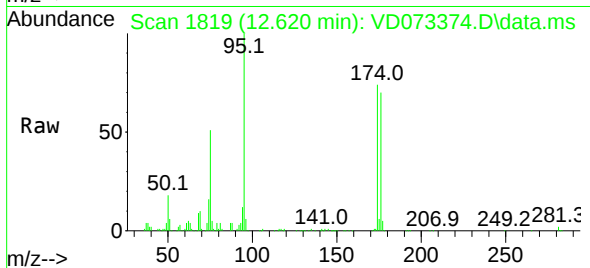




#62
4-Bromofluorobenzene
Concen: 54.158 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073374.D
Acq: 25 May 2022 21:41

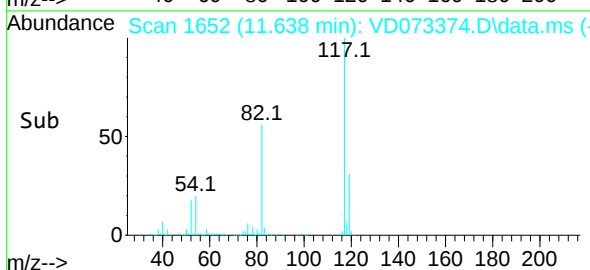
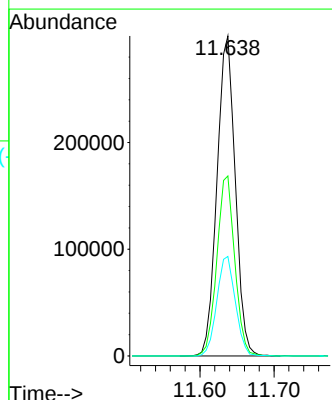
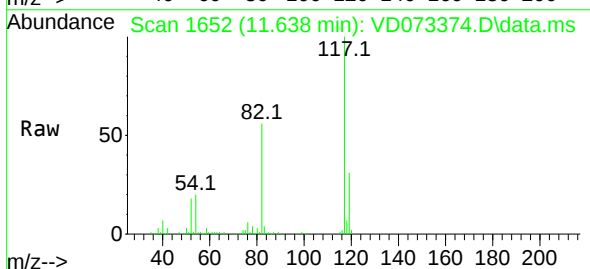
Instrument :
MSVOA_D
ClientSampleId :
P030-SS001-0612-01

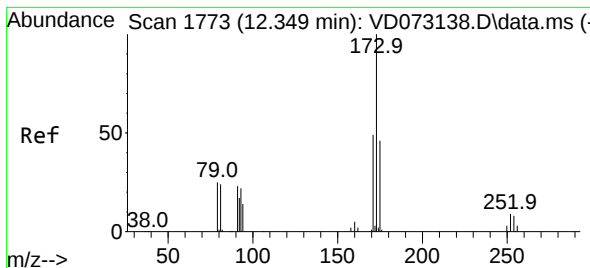
Tgt Ion: 95 Resp: 221051
Ion Ratio Lower Upper
95 100
174 77.3 0.0 152.8
176 71.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073374.D
Acq: 25 May 2022 21:41

Tgt Ion: 117 Resp: 513410
Ion Ratio Lower Upper
117 100
82 56.2 45.3 67.9
119 31.1 26.6 40.0





#71

Bromoform

Concen: 1.048 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073374.D

Acq: 25 May 2022 21:41

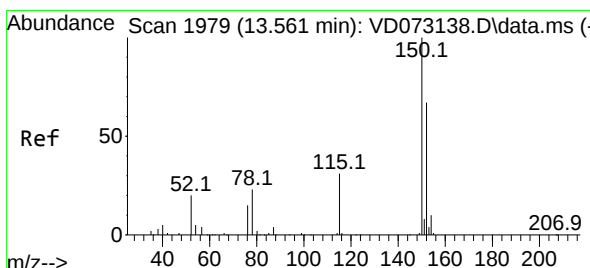
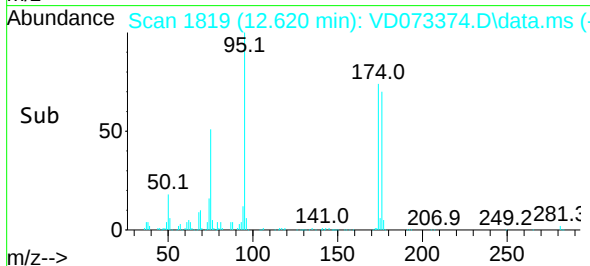
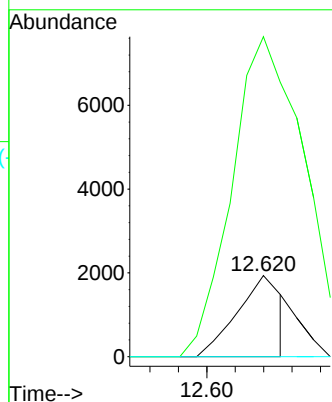
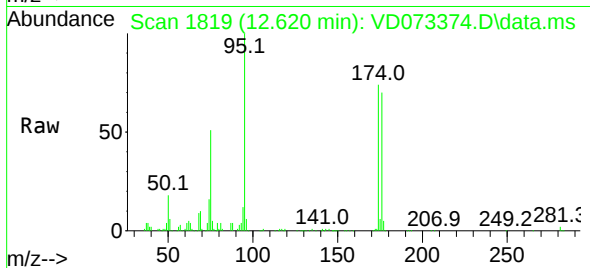
Instrument :

MSVOA_D

ClientSampleId :

P030-SS001-0612-01

Tgt Ion:173	Resp:	2107
Ion Ratio	Lower	Upper
173	100	
175	451.4	23.9 71.8#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

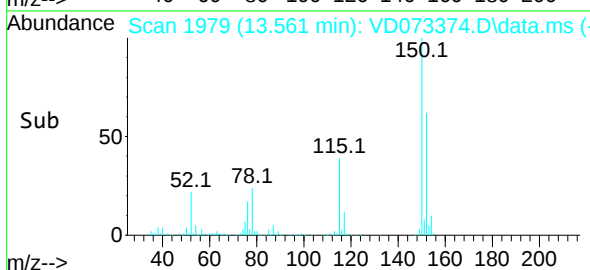
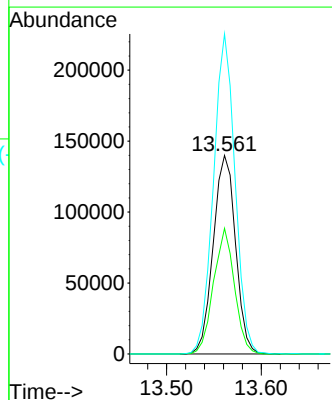
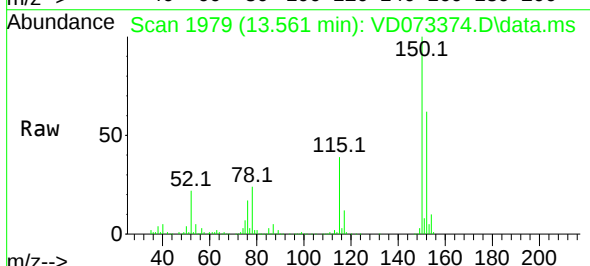
RT: 13.561 min Scan# 1979

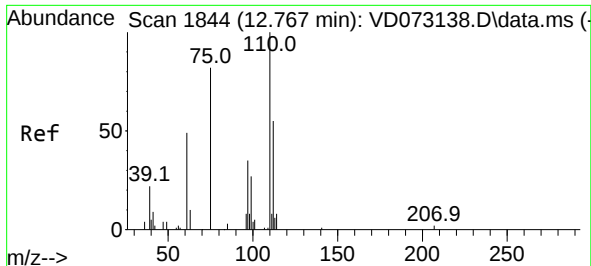
Delta R.T. 0.000 min

Lab File: VD073374.D

Acq: 25 May 2022 21:41

Tgt Ion:152	Resp:	228889
Ion Ratio	Lower	Upper
152	100	
115	59.4	31.3 93.8
150	155.9	0.0 348.6

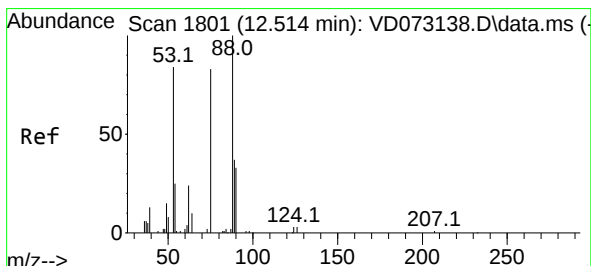
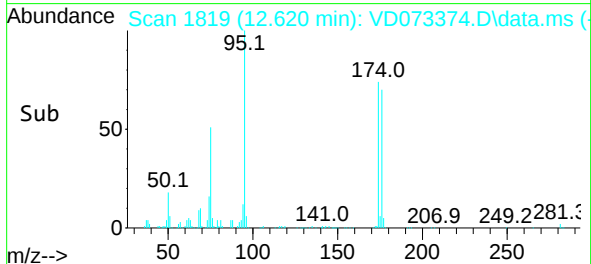
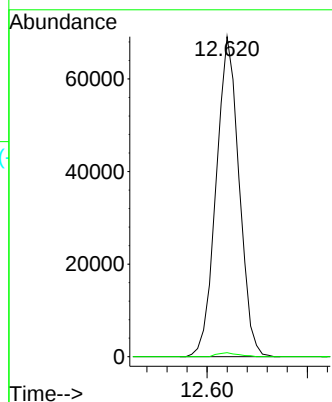
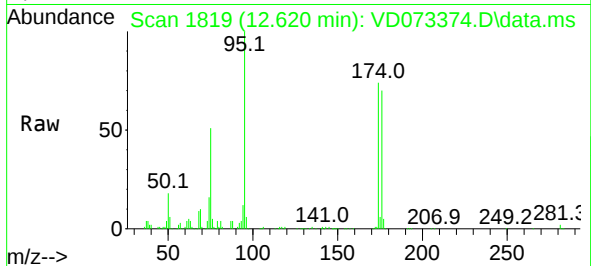




#76
1,2,3-Trichloropropane
Concen: 48.910 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073374.D
Acq: 25 May 2022 21:41

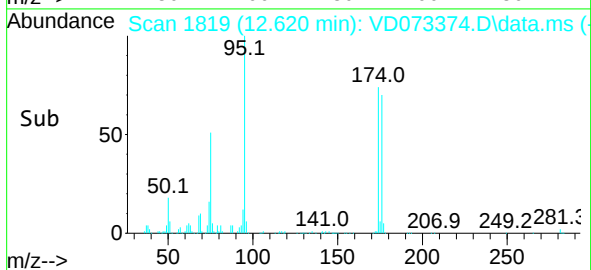
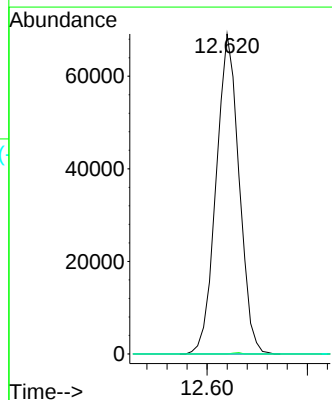
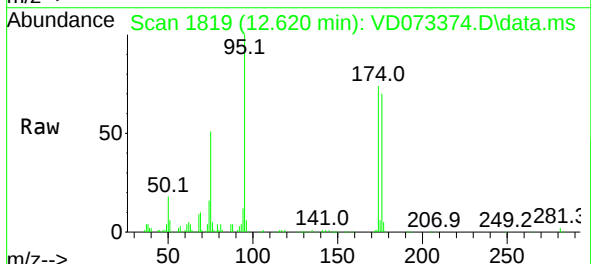
Instrument :
MSVOA_D
ClientSampleId :
P030-SS001-0612-01

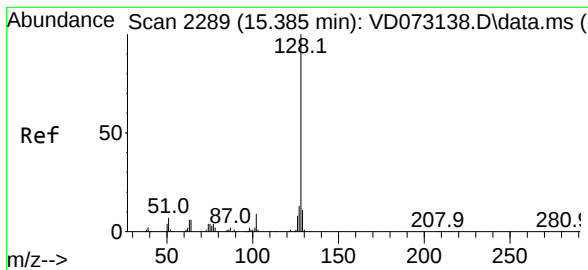
Tgt Ion: 75 Resp: 109843
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.419 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073374.D
Acq: 25 May 2022 21:41

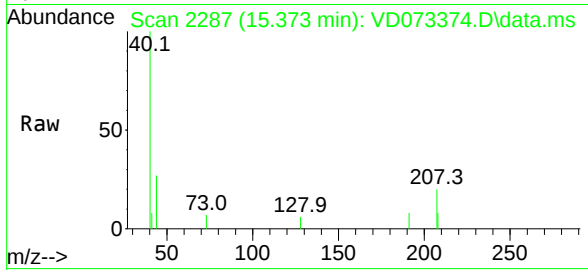
Tgt Ion: 75 Resp: 109843
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 3.549 ug/l
RT: 15.373 min Scan# 21
Delta R.T. -0.012 min
Lab File: VD073374.D
Acq: 25 May 2022 21:41

Instrument :
MSVOA_D
ClientSampleId :
P030-SS001-0612-01



Tgt Ion:	128	Resp:	60
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

