

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073324.D
 Acq On : 24 May 2022 14:54
 Operator : VA/SY
 Sample : N2949-07RE
 Misc : 5.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-0612-02

Quant Time: May 25 05:26:38 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)

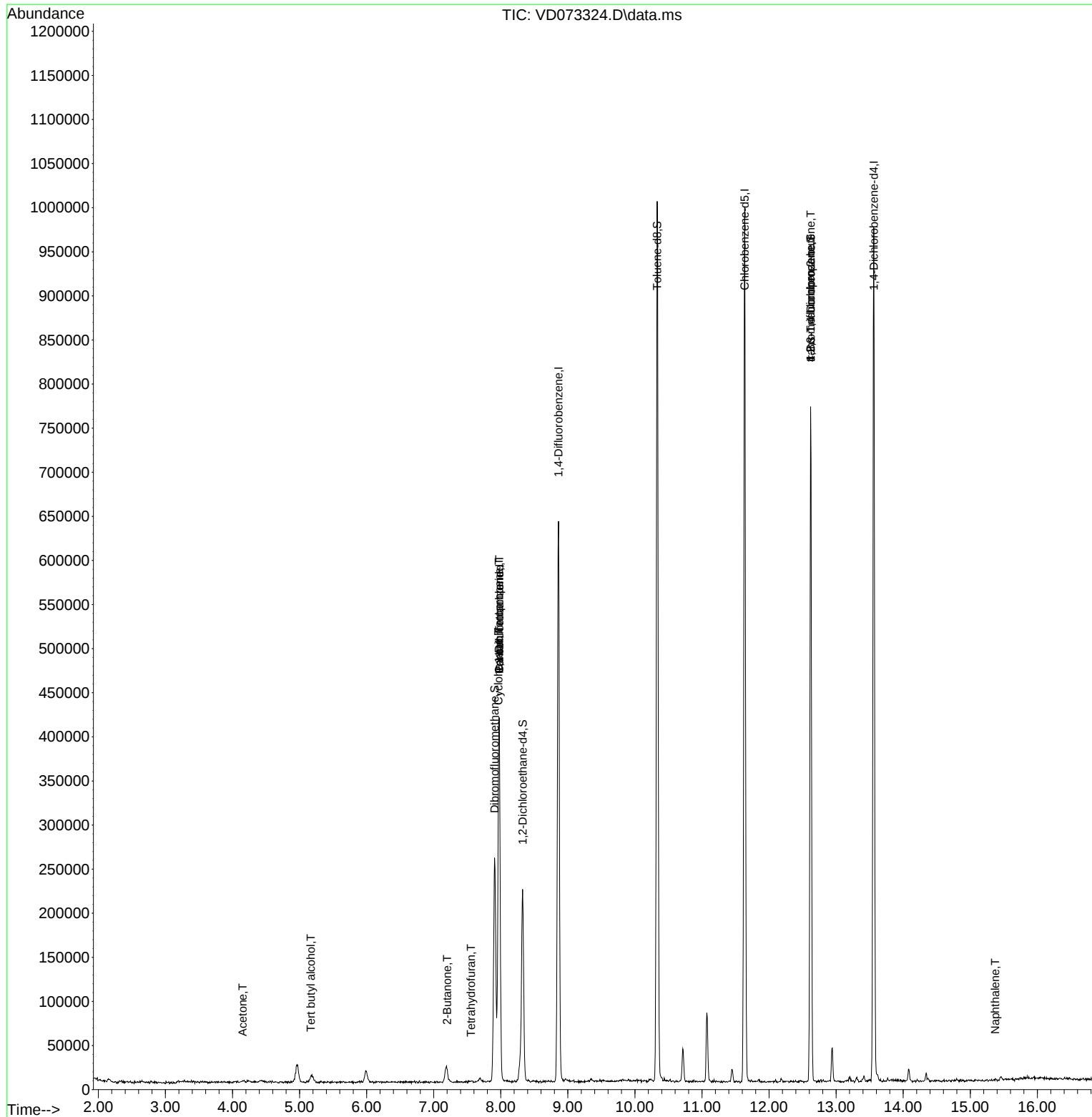
Internal Standards						
1) Pentafluorobenzene	7.979	168	306868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	548176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	571892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	256354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	166033	48.958	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.920%
35) Dibromofluoromethane	7.908	113	184678	51.055	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.120%
50) Toluene-d8	10.332	98	675964	50.695	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.380%
62) 4-Bromofluorobenzene	12.620	95	247276	52.843	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.680%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	820	Below Cal		90
11) Tert butyl alcohol	5.167	59	5087	9.668	ug/l #	74
16) Acetone	4.150	43	3171	5.398	ug/l	98
25) 2-Butanone	7.202	43	1106	1.287	ug/l #	52
29) Tetrahydrofuran	7.555	42	858	1.544	ug/l #	52
31) Cyclohexane	7.967	56	7419	1.252	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	26124	4.802	ug/l #	52
38) Carbon Tetrachloride	7.979	117	32287	5.855	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	126037	50.109	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	126037	120.295	ug/l #	7
95) Naphthalene	15.373	128	924	3.644	ug/l #	95

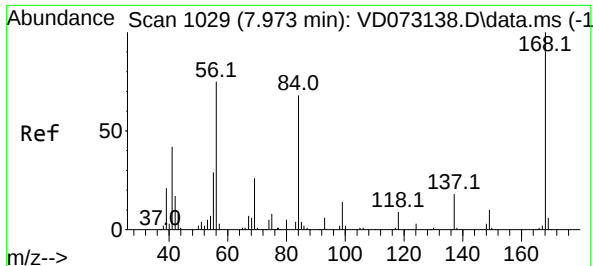
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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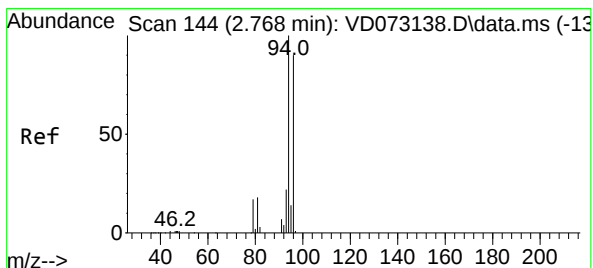
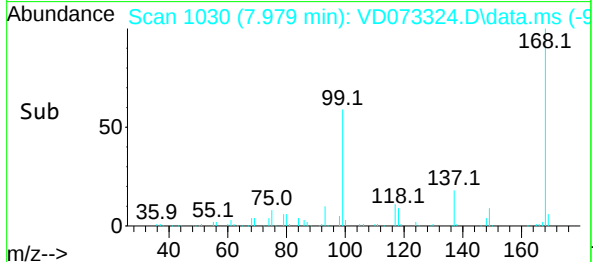
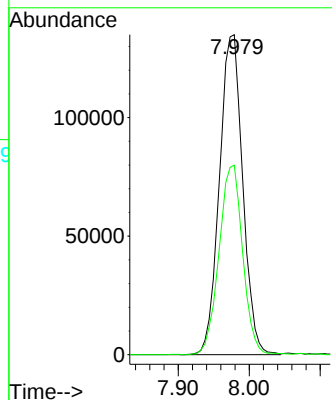
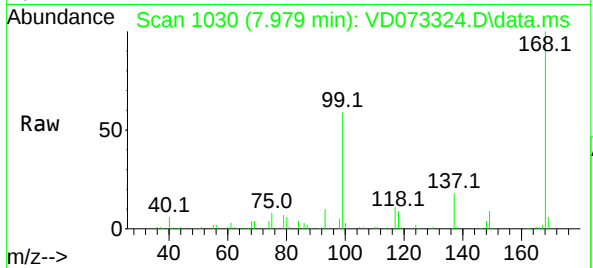




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD073324.D
Acq: 24 May 2022 14:54

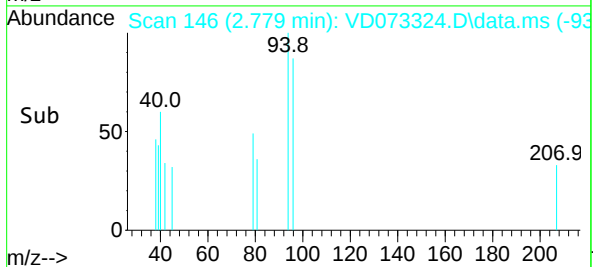
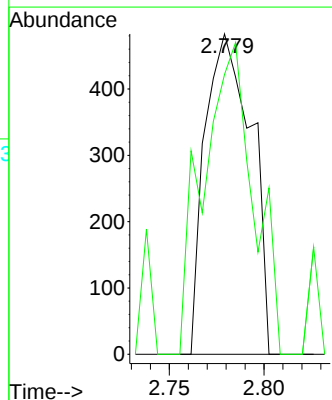
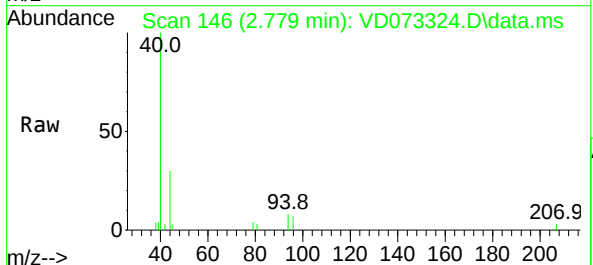
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-02

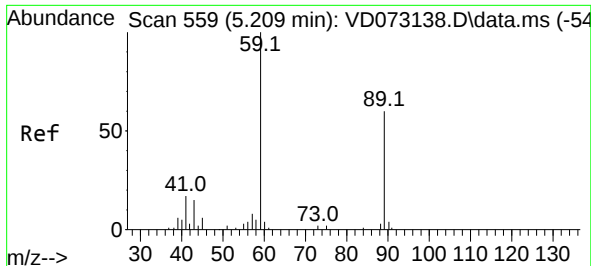
Tgt Ion:168 Resp: 306868
Ion Ratio Lower Upper
168 100
99 59.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073324.D
Acq: 24 May 2022 14:54

Tgt Ion: 94 Resp: 820
Ion Ratio Lower Upper
94 100
96 87.4 77.6 116.4





#11

Tert butyl alcohol

Concen: 9.668 ug/l

RT: 5.167 min Scan# 5

Delta R.T. -0.042 min

Lab File: VD073324.D

Acq: 24 May 2022 14:54

Instrument :

MSVOA_D

ClientSampleId :

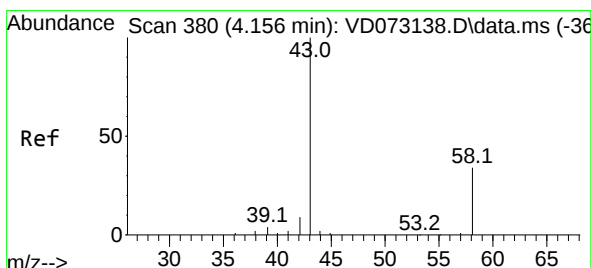
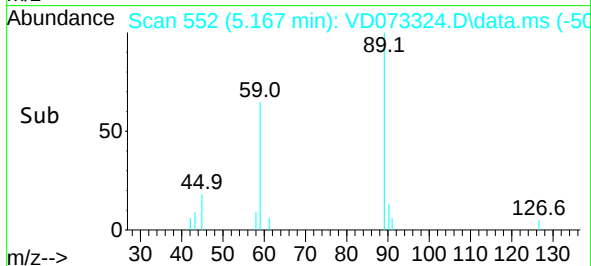
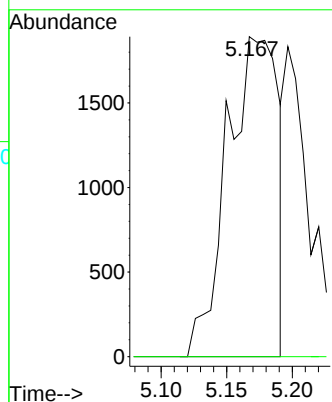
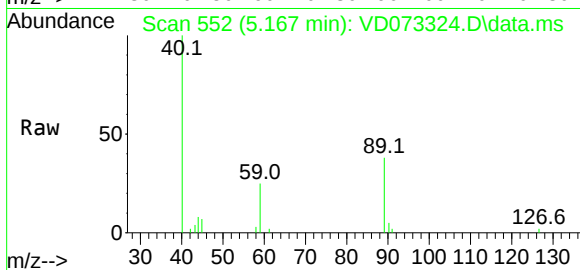
P043-SS001-0612-02

Tgt Ion: 59 Resp: 5087

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 5.398 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.006 min

Lab File: VD073324.D

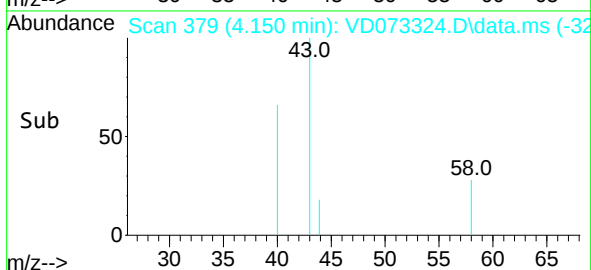
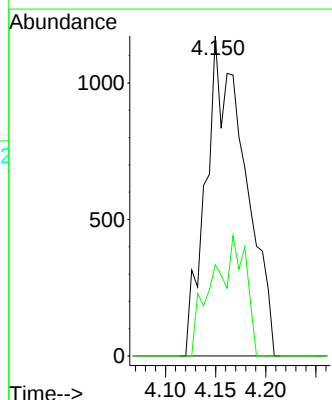
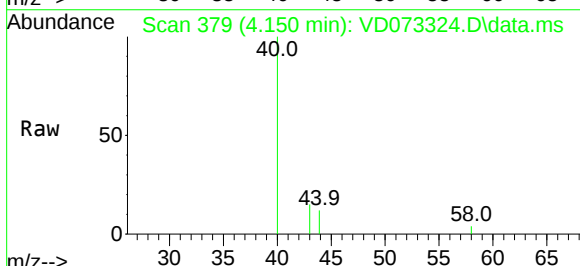
Acq: 24 May 2022 14:54

Tgt Ion: 43 Resp: 3171

Ion Ratio Lower Upper

43 100

58 28.5 22.1 33.1

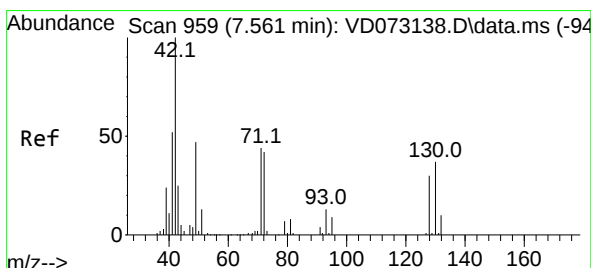
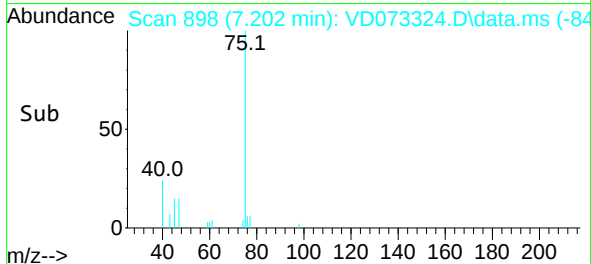
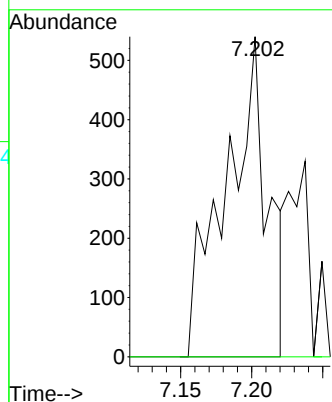
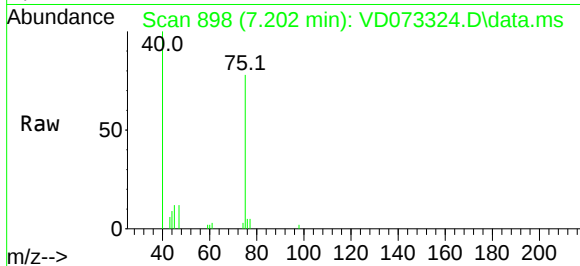




#25
2-Butanone
Concen: 1.287 ug/l
RT: 7.202 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD073324.D
Acq: 24 May 2022 14:54

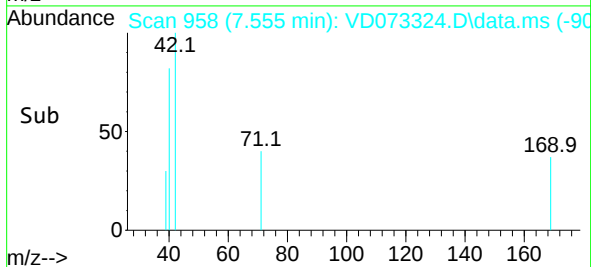
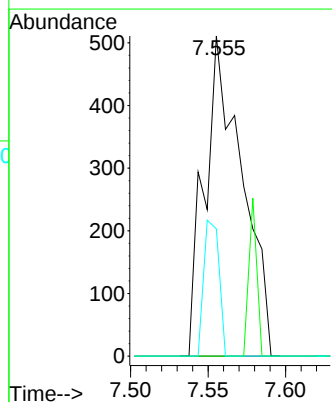
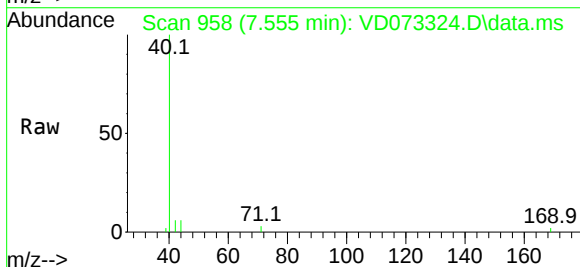
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-02

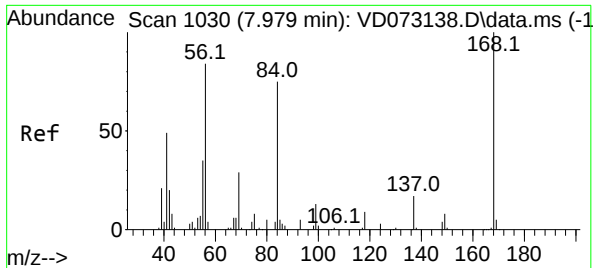
Tgt Ion: 43 Resp: 1106
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 1.544 ug/l
RT: 7.555 min Scan# 958
Delta R.T. -0.006 min
Lab File: VD073324.D
Acq: 24 May 2022 14:54

Tgt Ion: 42 Resp: 858
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 17.2 28.6 43.0#

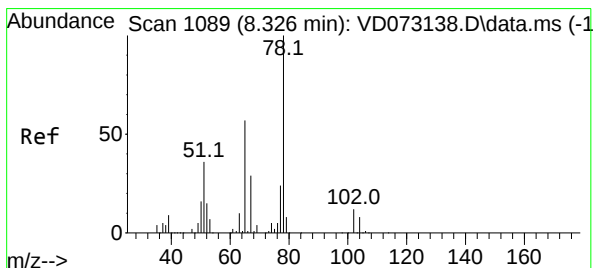
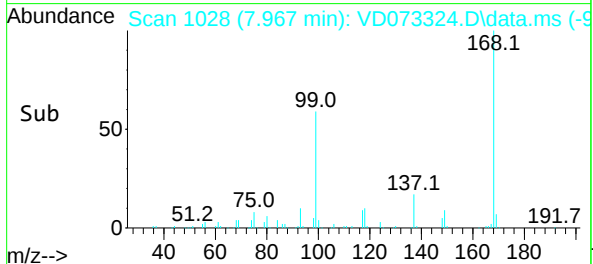
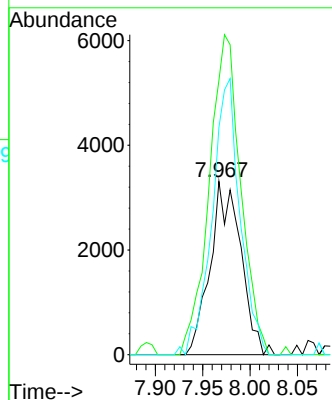
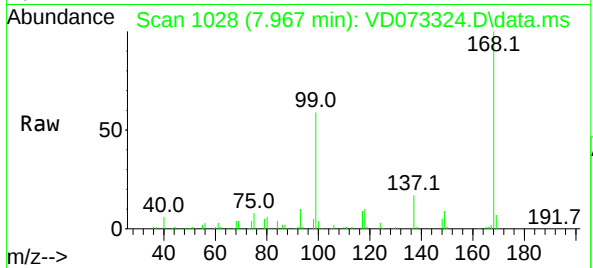




#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073324.D
Acq: 24 May 2022 14:54

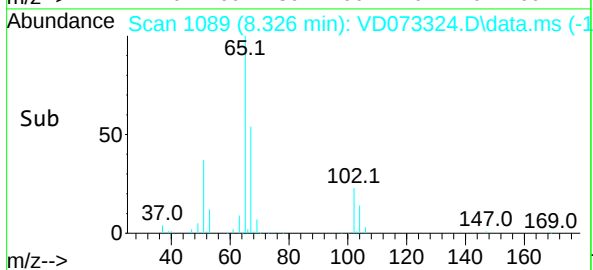
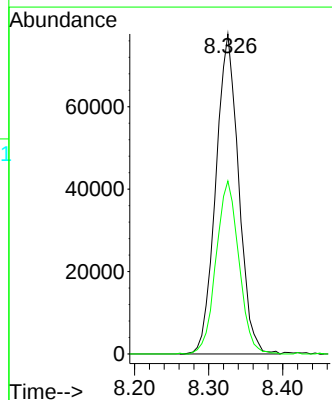
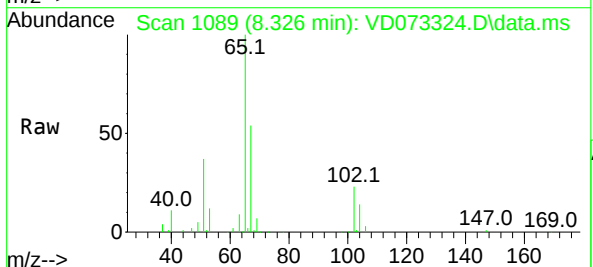
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-02

Tgt Ion: 56 Resp: 7419
Ion Ratio Lower Upper
56 100
69 158.3 25.4 38.2#
84 131.1 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 48.958 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073324.D
Acq: 24 May 2022 14:54

Tgt Ion: 65 Resp: 166033
Ion Ratio Lower Upper
65 100
67 54.2 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073324.D

Acq: 24 May 2022 14:54

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-0612-02

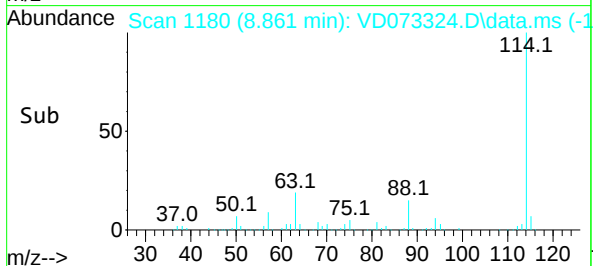
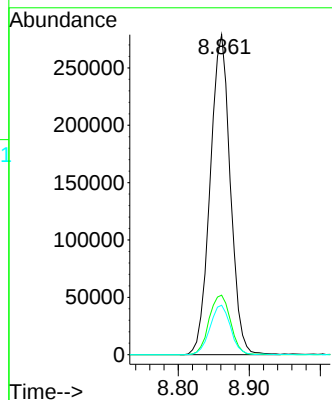
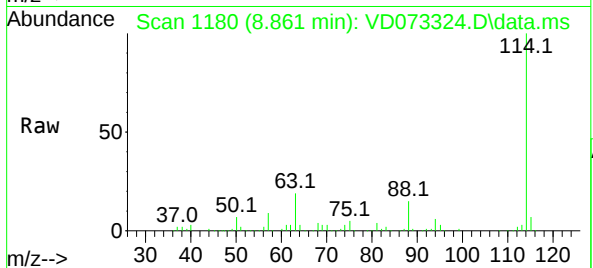
Tgt Ion:114 Resp: 548176

Ion Ratio Lower Upper

114 100

63 18.6 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.055 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073324.D

Acq: 24 May 2022 14:54

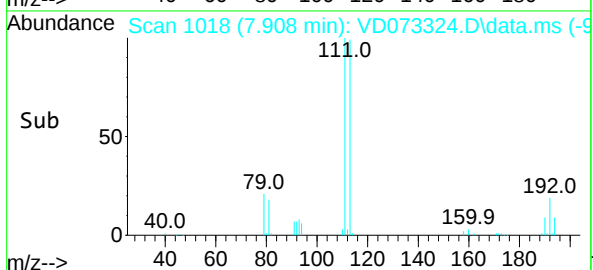
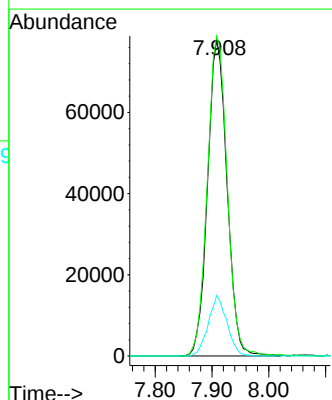
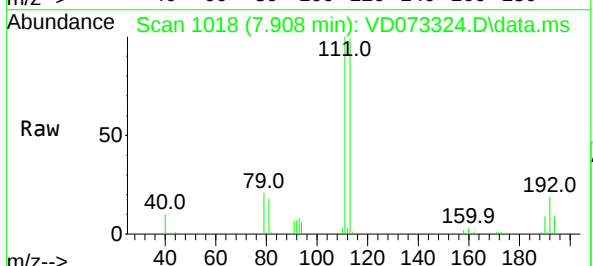
Tgt Ion:113 Resp: 184678

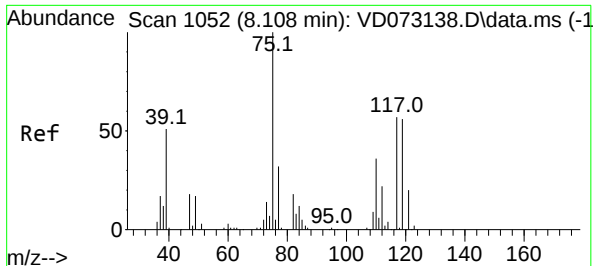
Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 18.3 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.802 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073324.D

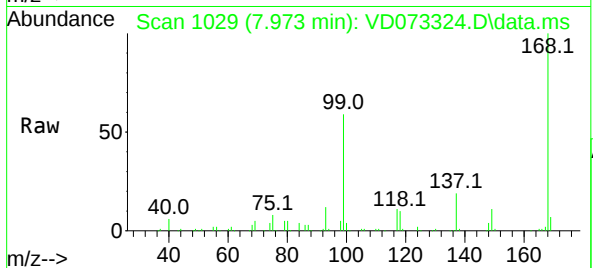
Acq: 24 May 2022 14:54

Instrument :

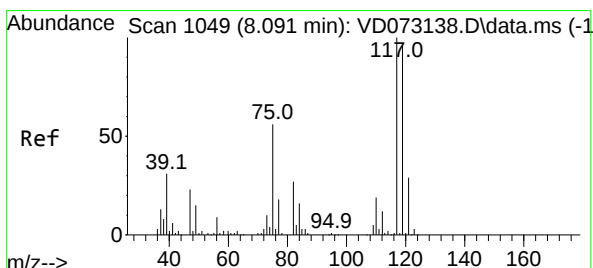
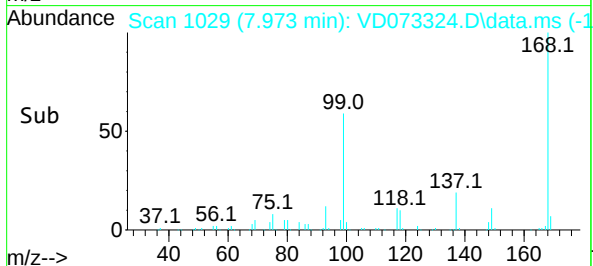
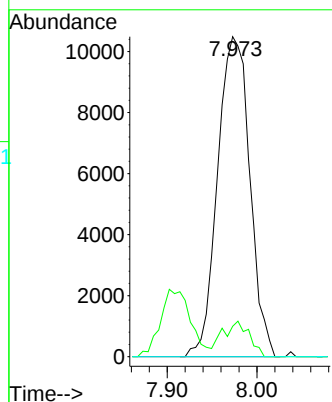
MSVOA_D

ClientSampleId :

P043-SS001-0612-02



Tgt Ion:	75	Resp:	26124
Ion Ratio	Lower	Upper	
75	100		
110	9.1	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.855 ug/l

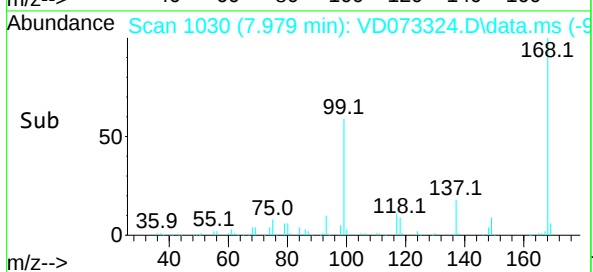
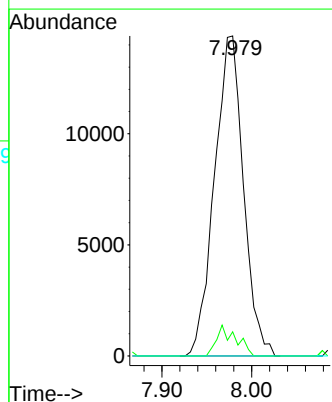
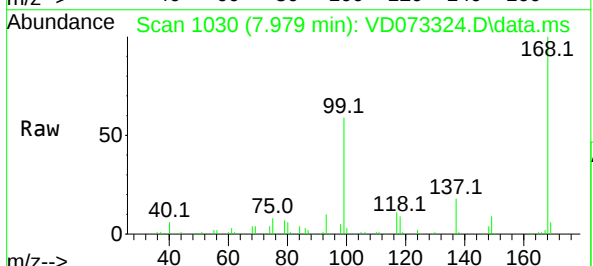
RT: 7.979 min Scan# 1030

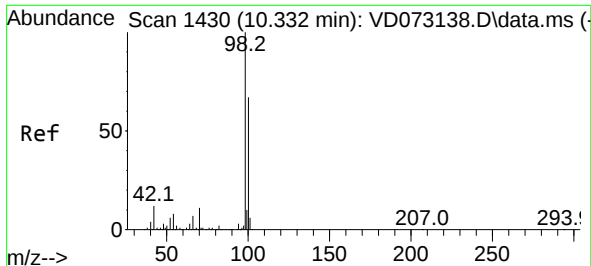
Delta R.T. -0.112 min

Lab File: VD073324.D

Acq: 24 May 2022 14:54

Tgt Ion:	117	Resp:	32287
Ion Ratio	Lower	Upper	
117	100		
119	7.5	75.8	113.6#
121	0.0	24.5	36.7#

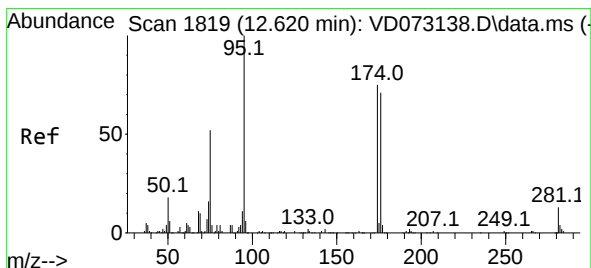
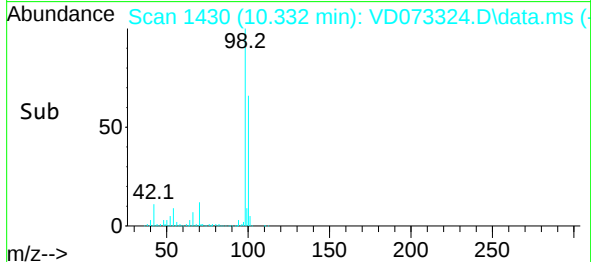
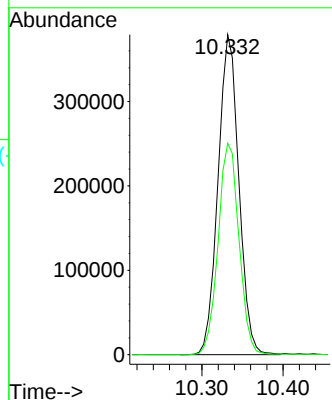
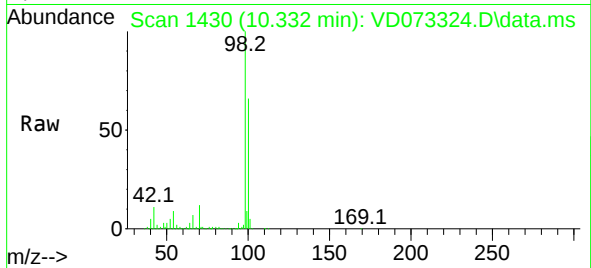




#50
Toluene-d8
Concen: 50.695 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073324.D
Acq: 24 May 2022 14:54

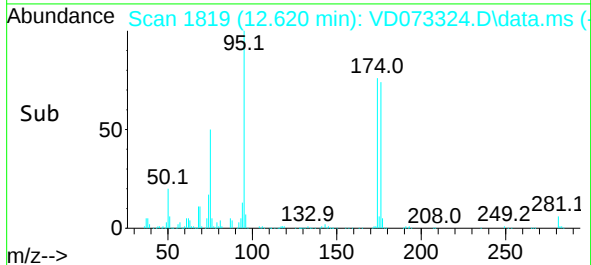
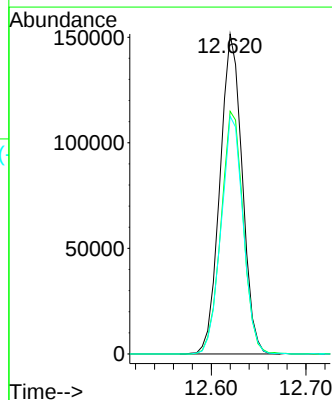
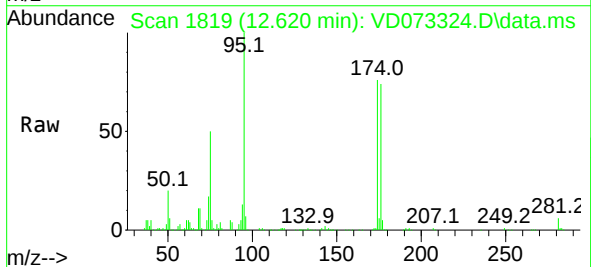
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-02

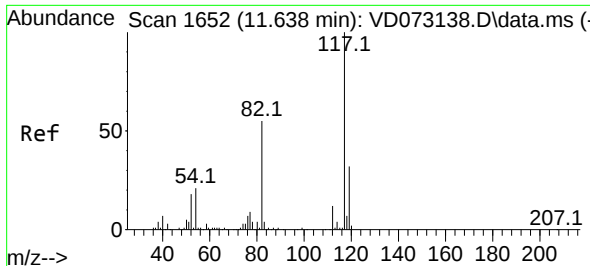
Tgt Ion: 98 Resp: 675964
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 52.843 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073324.D
Acq: 24 May 2022 14:54

Tgt Ion: 95 Resp: 247276
Ion Ratio Lower Upper
95 100
174 75.9 0.0 152.8
176 73.8 0.0 145.4

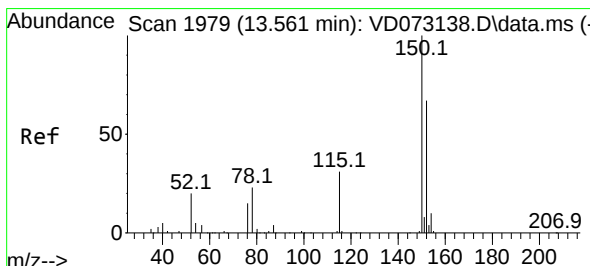
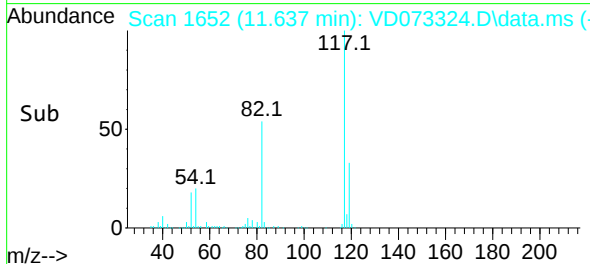
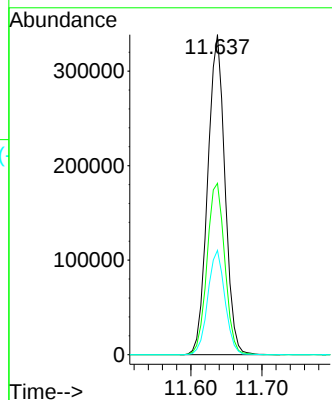
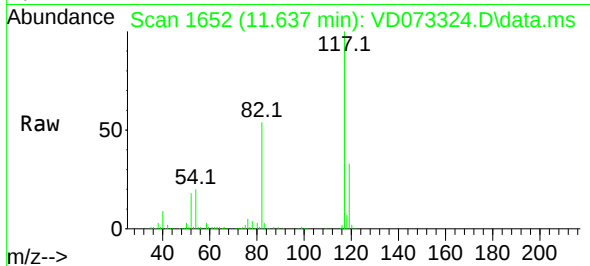




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD073324.D
Acq: 24 May 2022 14:54

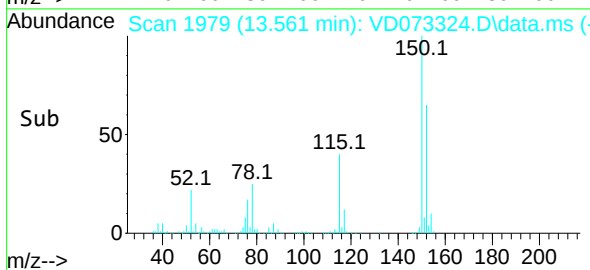
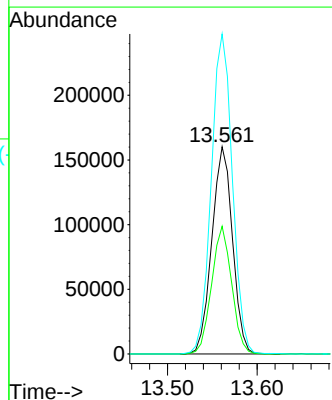
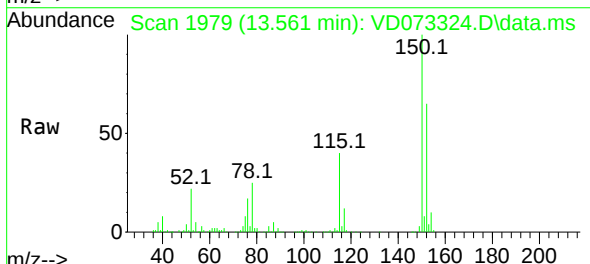
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-02

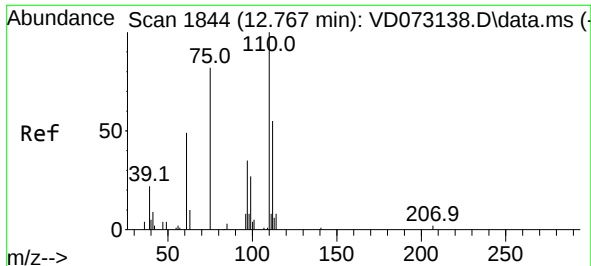
Tgt Ion:117 Resp: 571892
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 32.6 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073324.D
Acq: 24 May 2022 14:54

Tgt Ion:152 Resp: 256354
Ion Ratio Lower Upper
152 100
115 59.6 31.3 93.8
150 157.3 0.0 348.6

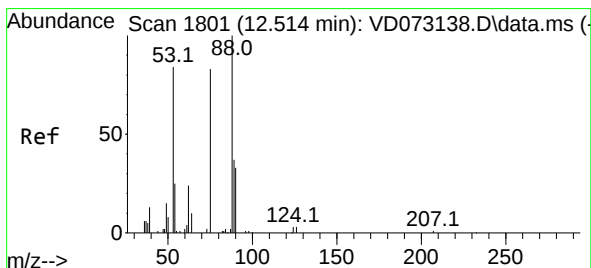
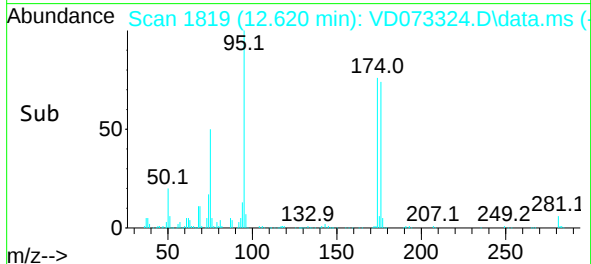
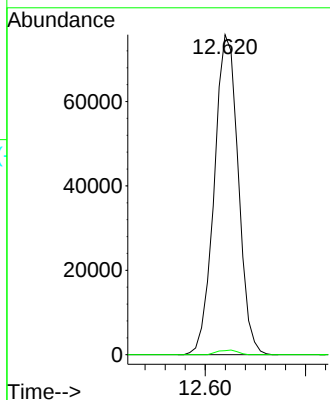
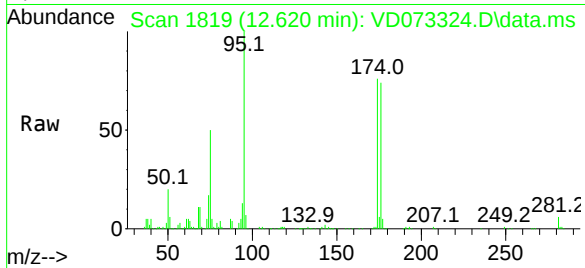




#76
1,2,3-Trichloropropane
Concen: 50.109 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073324.D
Acq: 24 May 2022 14:54

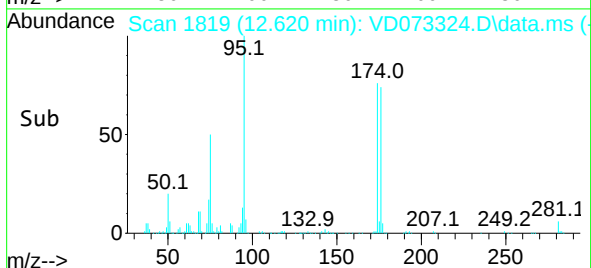
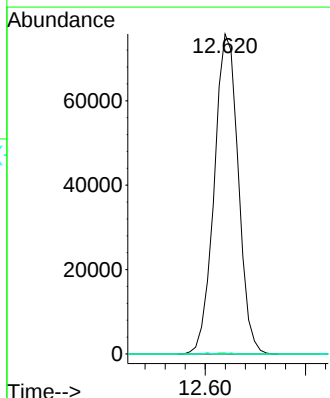
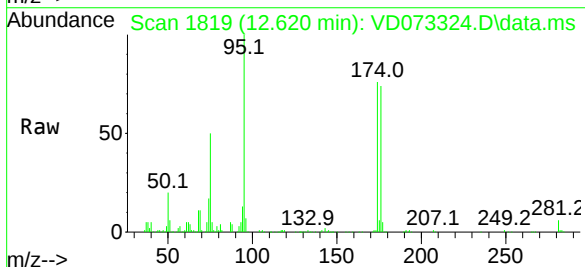
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-0612-02

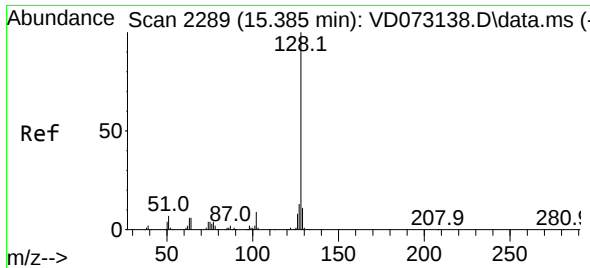
Tgt Ion: 75 Resp: 126037
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.295 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073324.D
Acq: 24 May 2022 14:54

Tgt Ion: 75 Resp: 126037
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.1 33.9 50.9#





#95

Naphthalene

Concen: 3.644 ug/l

RT: 15.373 min Scan# 21

Delta R.T. -0.012 min

Lab File: VD073324.D

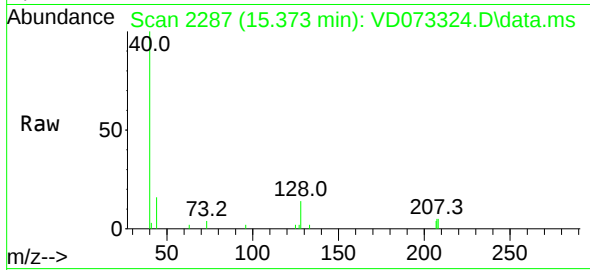
Acq: 24 May 2022 14:54

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-0612-02



Tgt Ion:128 Resp: 924

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 6.6 8.4 12.6#

