

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052522\
 Data File : VD073366.D
 Acq On : 25 May 2022 17:51
 Operator : VA/SY
 Sample : N2949-17
 Misc : 5.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS001-1824-01

Quant Time: May 26 02:25:57 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)

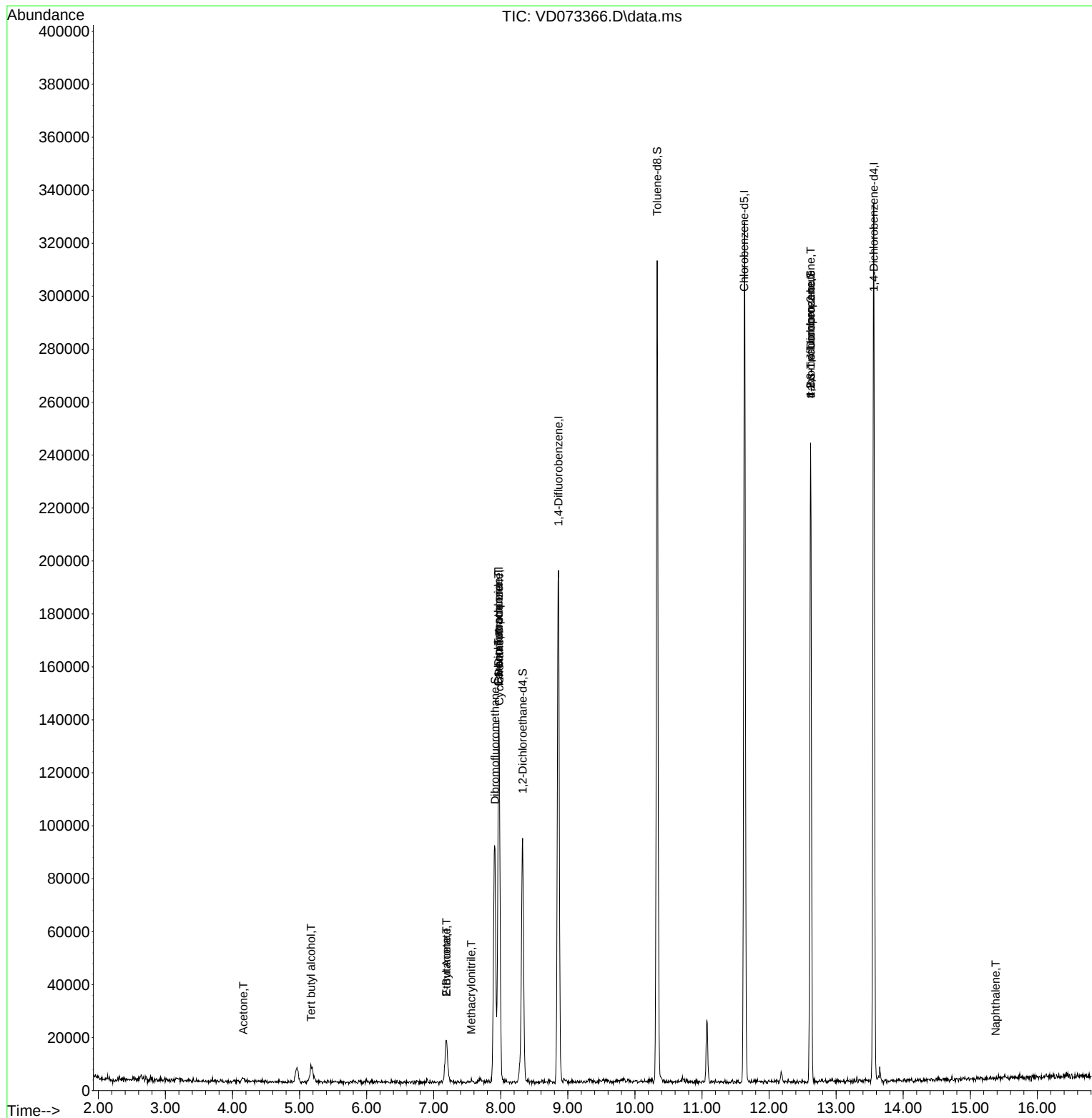
Internal Standards						
1) Pentafluorobenzene	7.973	168	101555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	165387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	194193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	87538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	72348	64.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.920%	
35) Dibromofluoromethane	7.914	113	66848	61.254	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.500%	
50) Toluene-d8	10.332	98	206712	51.384	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.760%	
62) 4-Bromofluorobenzene	12.620	95	81163	57.489	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.980%	
Target Compounds						
5) Bromomethane	2.773	94	801	Below Cal	Qvalue 92	
11) Tert butyl alcohol	5.173	59	5740	32.964	ug/l #	74
16) Acetone	4.162	43	2479	12.752	ug/l	97
20) Methylene Chloride	4.950	84	4761	Below Cal	# 75	
25) 2-Butanone	7.191	43	999	3.513	ug/l #	52
31) Cyclohexane	7.979	56	2564	1.307	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	8819	5.373	ug/l #	51
37) Ethyl Acetate	7.191	43	999	1.541	ug/l #	8
38) Carbon Tetrachloride	7.967	117	10626	6.387	ug/l #	18
41) Methacrylonitrile	7.561	41	413	1.093	ug/l #	27
76) 1,2,3-Trichloropropane	12.620	75	39322	45.782	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	39322	109.908	ug/l #	7
95) Naphthalene	15.379	128	210	3.610	ug/l #	70

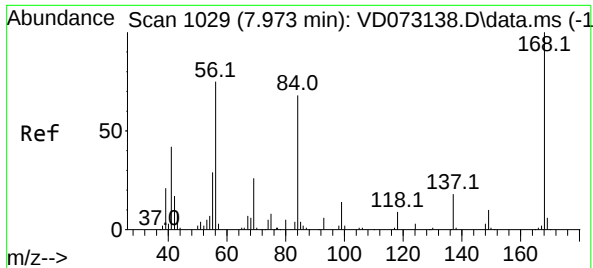
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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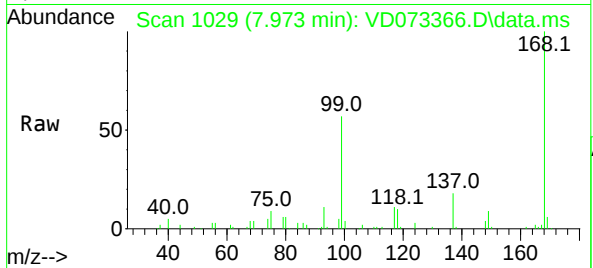
Quant Time: May 26 02:25:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
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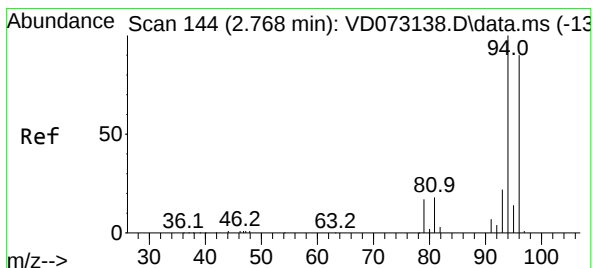
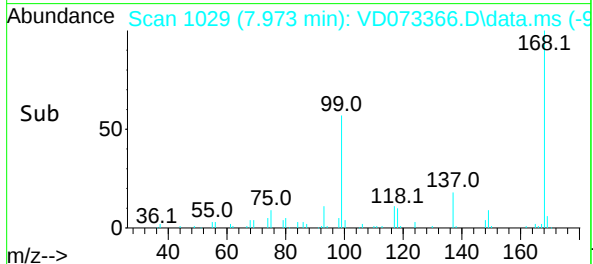
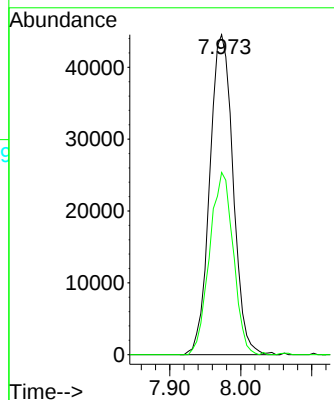


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073366.D
Acq: 25 May 2022 17:51

Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-1824-01

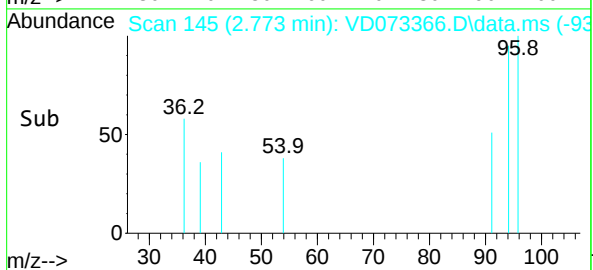
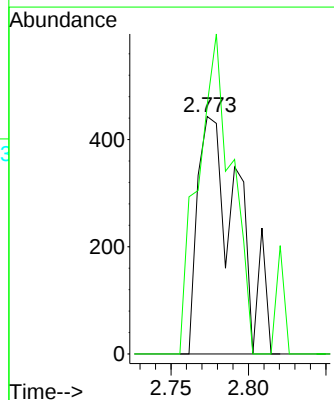
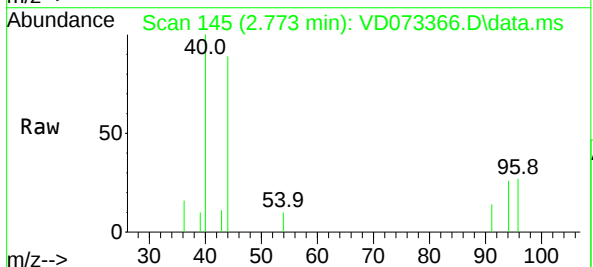


Tgt Ion:168 Resp: 101555
Ion Ratio Lower Upper
168 100
99 57.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073366.D
Acq: 25 May 2022 17:51

Tgt Ion: 94 Resp: 801
Ion Ratio Lower Upper
94 100
96 105.0 77.6 116.4





#11

Tert butyl alcohol

Concen: 32.964 ug/l

RT: 5.173 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD073366.D

Acq: 25 May 2022 17:51

Instrument :

MSVOA_D

ClientSampleId :

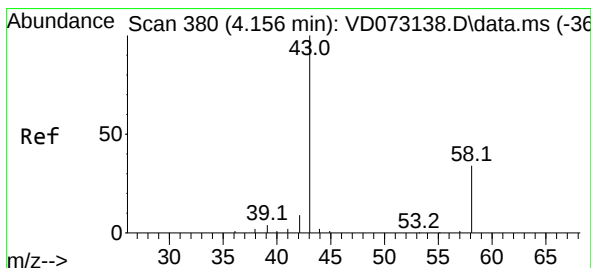
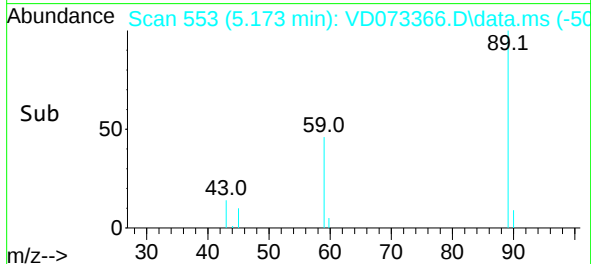
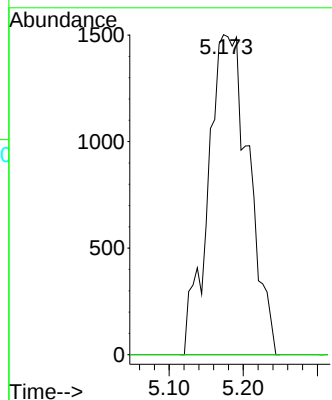
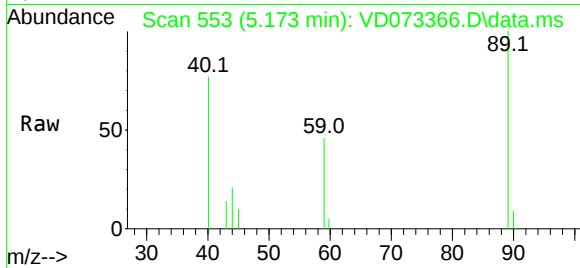
P044-SS001-1824-01

Tgt Ion: 59 Resp: 5740

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 12.752 ug/l

RT: 4.162 min Scan# 381

Delta R.T. 0.006 min

Lab File: VD073366.D

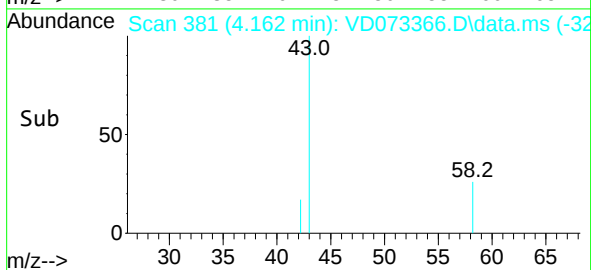
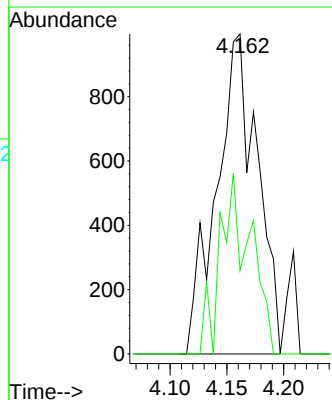
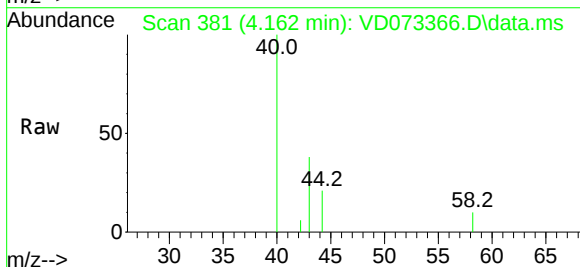
Acq: 25 May 2022 17:51

Tgt Ion: 43 Resp: 2479

Ion Ratio Lower Upper

43 100

58 26.1 22.1 33.1

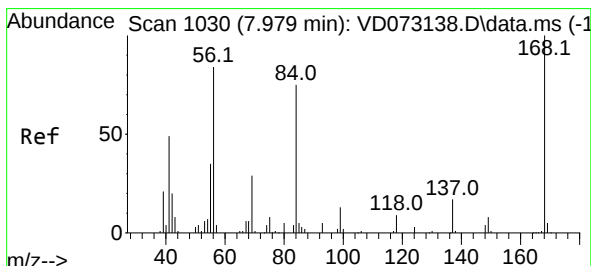
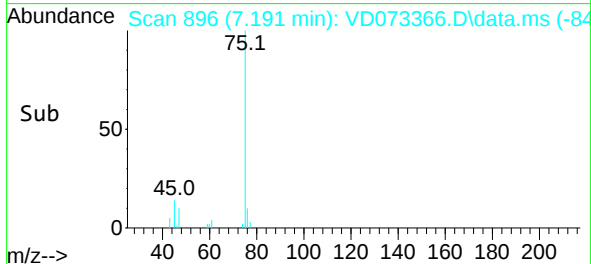
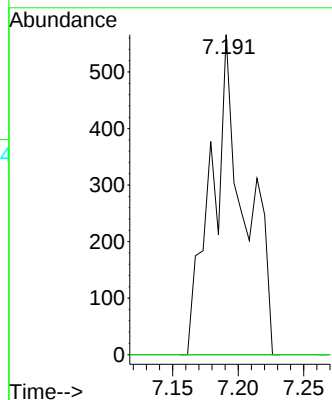
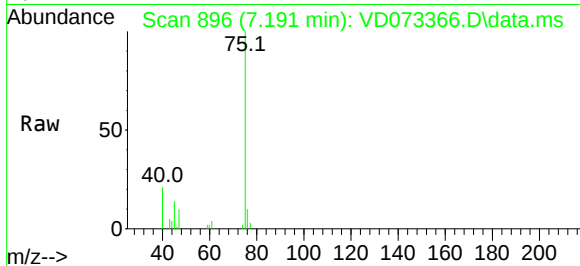




#25
2-Butanone
Concen: 3.513 ug/l
RT: 7.191 min Scan# 899
Delta R.T. -0.017 min
Lab File: VD073366.D
Acq: 25 May 2022 17:51

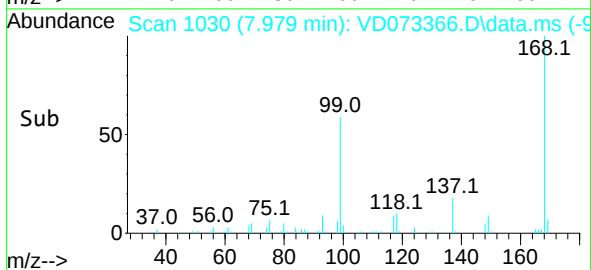
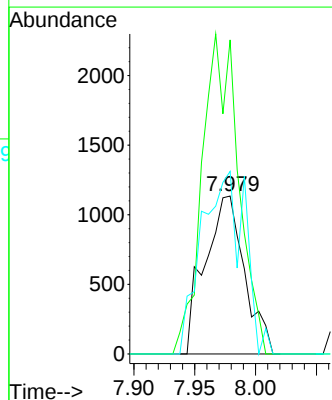
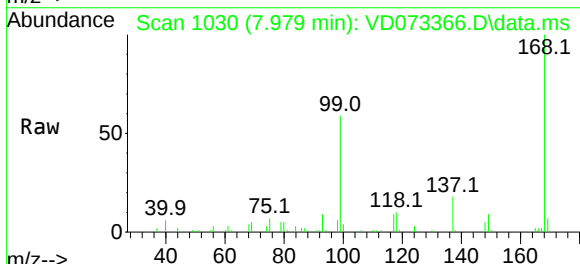
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-1824-01

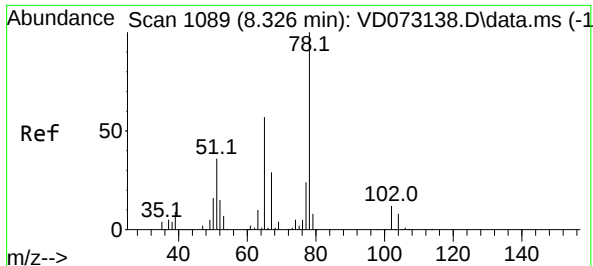
Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.307 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD073366.D
Acq: 25 May 2022 17:51

Tgt Ion: 56 Resp: 2564
Ion Ratio Lower Upper
56 100
69 198.9 25.4 38.2#
84 115.6 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 64.463 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD073366.D

Acq: 25 May 2022 17:51

Instrument :

MSVOA_D

ClientSampleId :

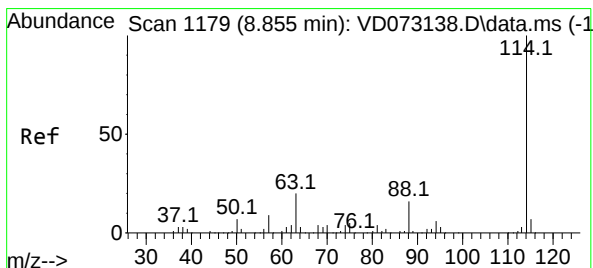
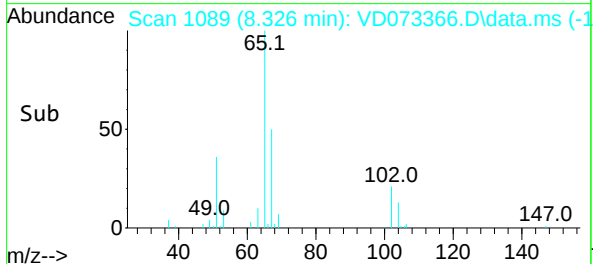
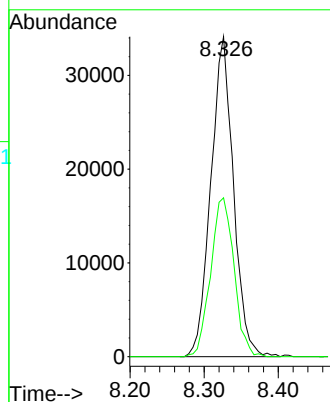
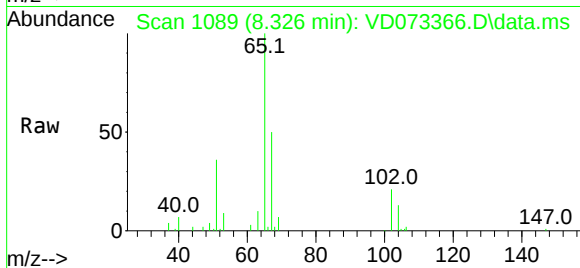
P044-SS001-1824-01

Tgt Ion: 65 Resp: 72348

Ion Ratio Lower Upper

65 100

67 51.3 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: VD073366.D

Acq: 25 May 2022 17:51

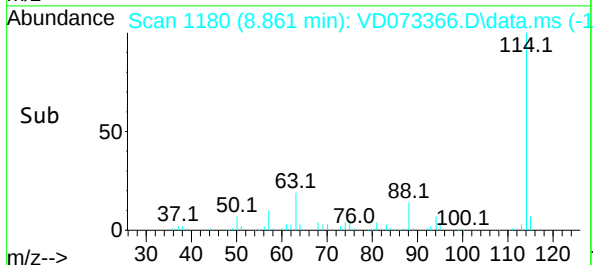
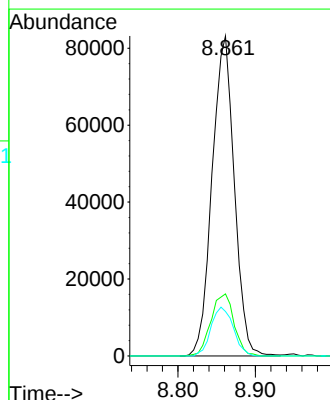
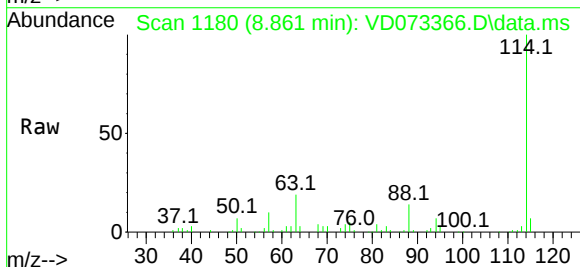
Tgt Ion: 114 Resp: 165387

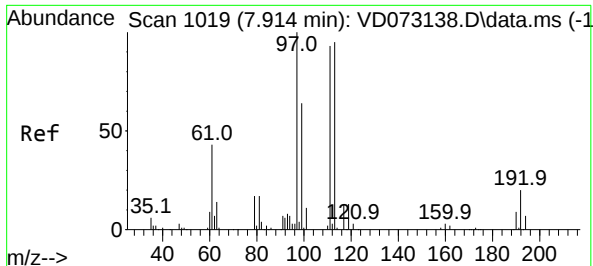
Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 13.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 61.254 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD073366.D

Acq: 25 May 2022 17:51

Instrument :

MSVOA_D

ClientSampleId :

P044-SS001-1824-01

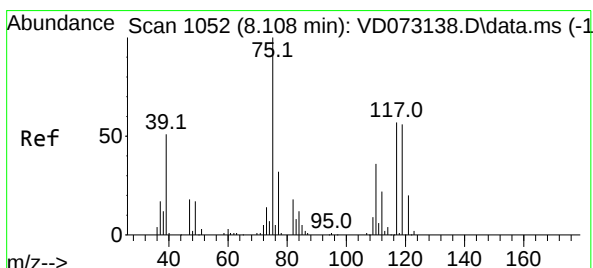
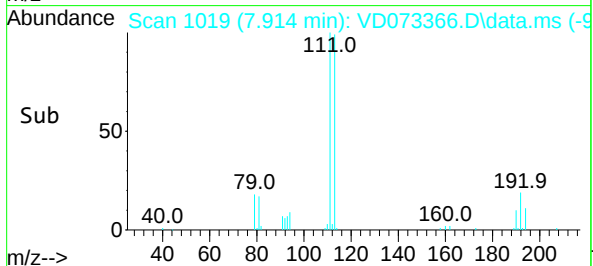
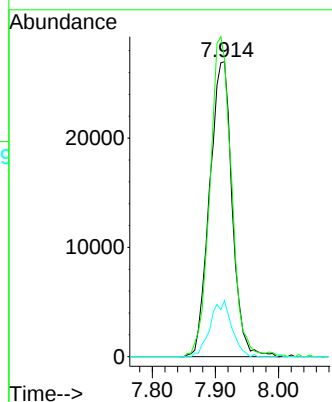
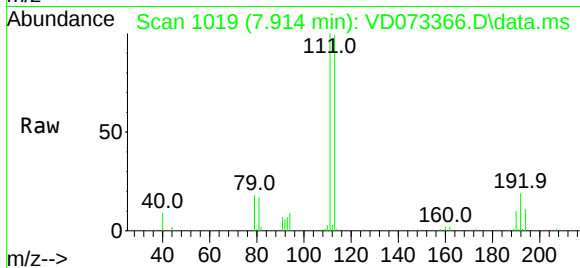
Tgt Ion:113 Resp: 66848

Ion Ratio Lower Upper

113 100

111 104.0 83.8 125.6

192 18.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.373 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073366.D

Acq: 25 May 2022 17:51

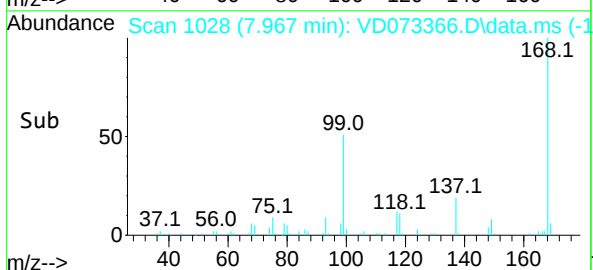
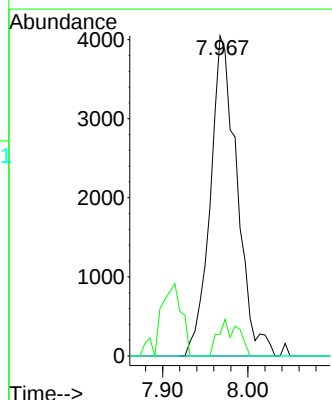
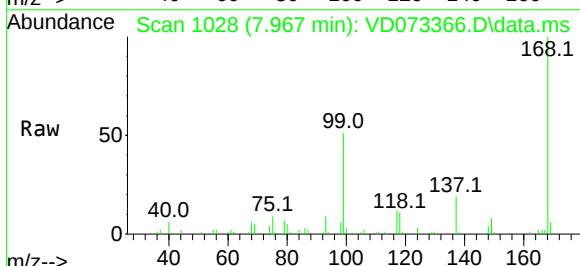
Tgt Ion: 75 Resp: 8819

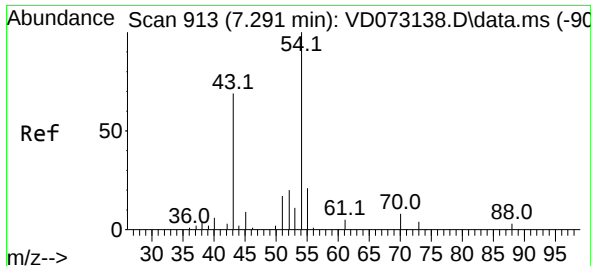
Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 1.541 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.100 min

Lab File: VD073366.D

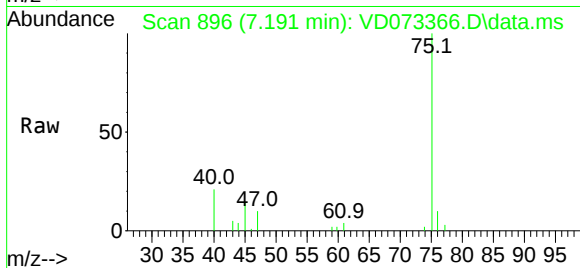
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Instrument :

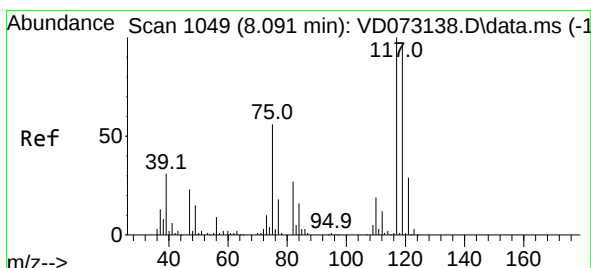
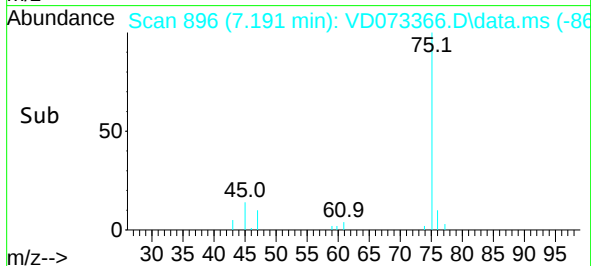
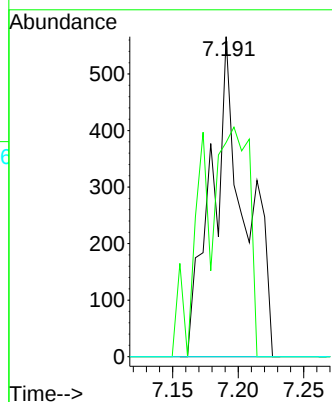
MSVOA_D

ClientSampleId :

P044-SS001-1824-01



Tgt Ion:	43	Resp:	999
Ion	Ratio	Lower	Upper
43	100		
61	66.9	9.8	14.8#
70	0.0	6.9	10.3#



#38

Carbon Tetrachloride

Concen: 6.387 ug/l

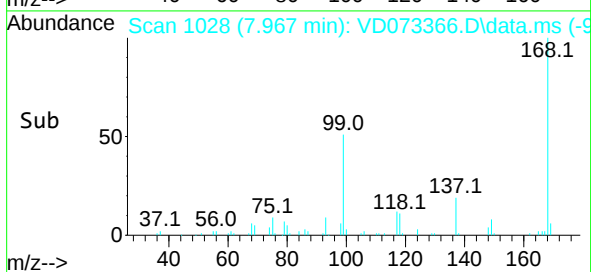
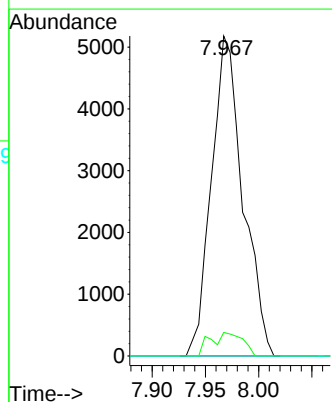
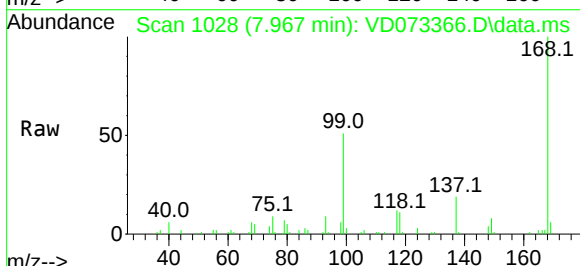
RT: 7.967 min Scan# 1028

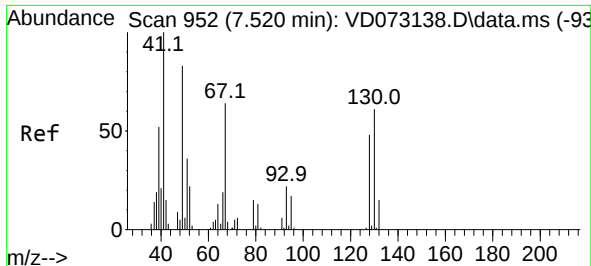
Delta R.T. -0.124 min

Lab File: VD073366.D

Acq: 25 May 2022 17:51

Tgt Ion:	117	Resp:	10626
Ion	Ratio	Lower	Upper
117	100		
119	7.3	75.8	113.6#
121	0.0	24.5	36.7#

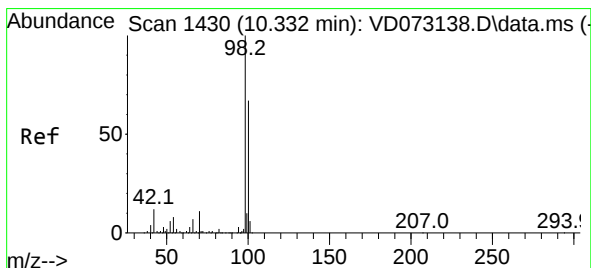
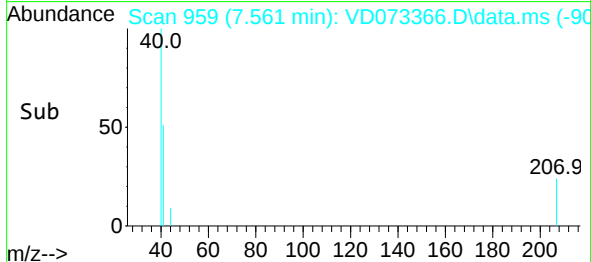
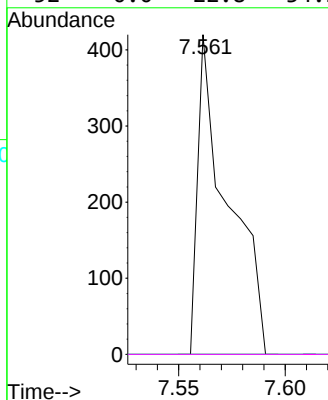
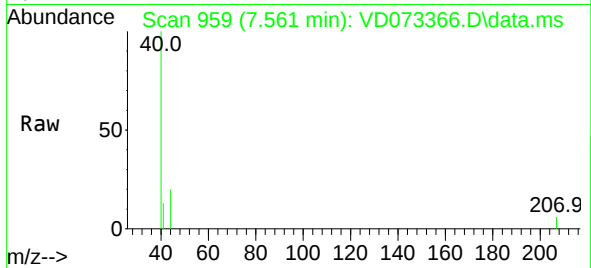




#41
Methacrylonitrile
Concen: 1.093 ug/l
RT: 7.561 min Scan# 91
Delta R.T. 0.041 min
Lab File: VD073366.D
Acq: 25 May 2022 17:51

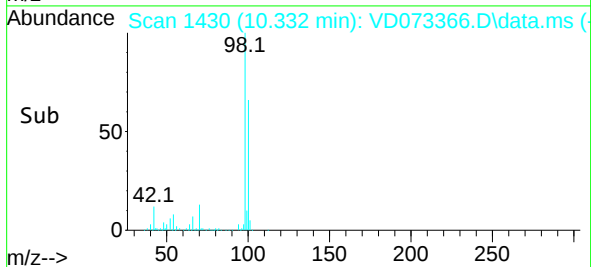
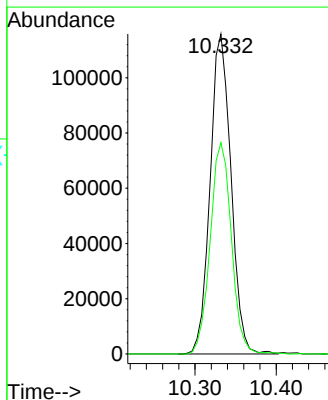
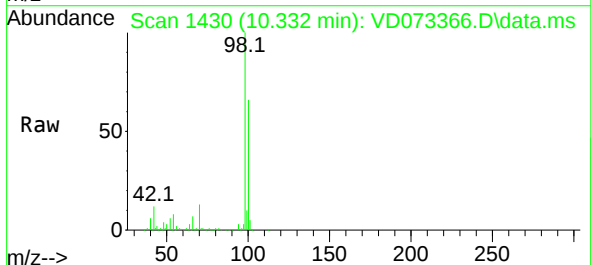
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-1824-01

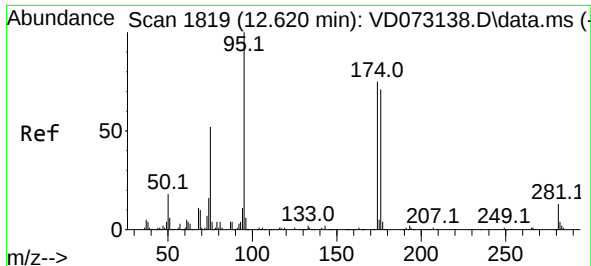
Tgt Ion:	41	Resp:	413
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#50
Toluene-d8
Concen: 51.384 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073366.D
Acq: 25 May 2022 17:51

Tgt Ion:	98	Resp:	206712
Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.4	78.6

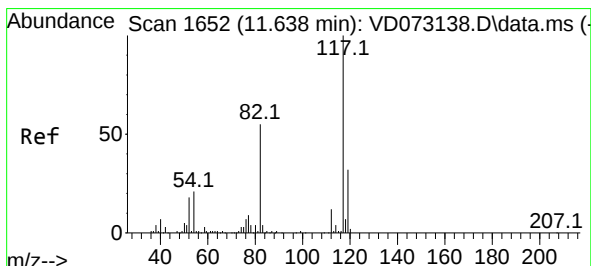
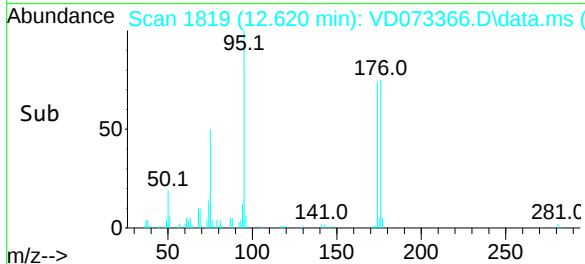
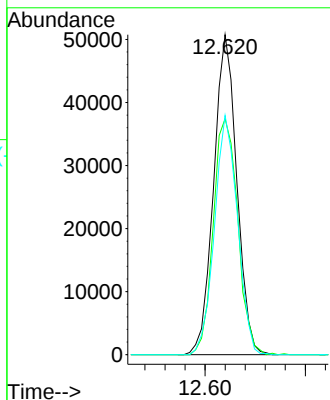
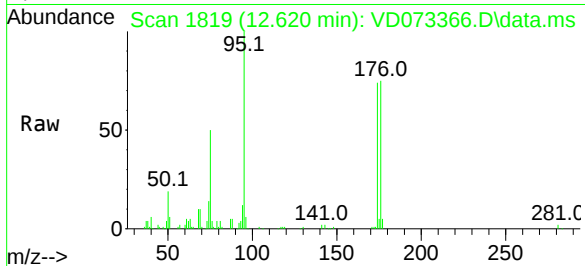




#62
4-Bromofluorobenzene
Concen: 57.489 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073366.D
Acq: 25 May 2022 17:51

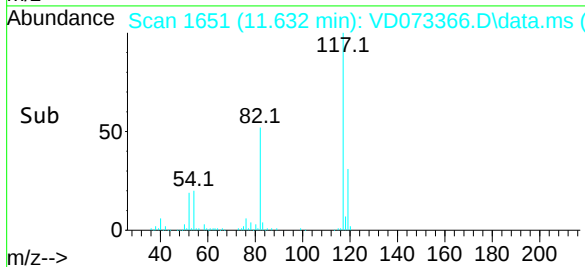
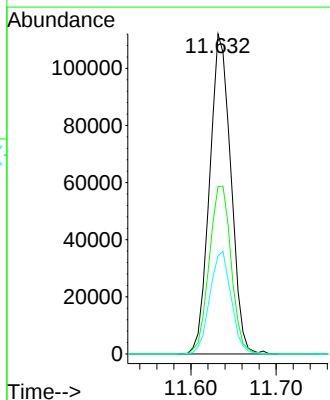
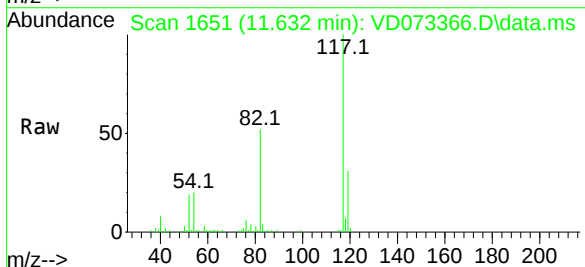
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-1824-01

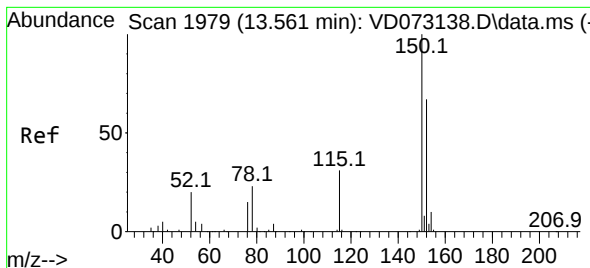
Tgt Ion: 95 Resp: 81163
Ion Ratio Lower Upper
95 100
174 78.2 0.0 152.8
176 74.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073366.D
Acq: 25 May 2022 17:51

Tgt Ion: 117 Resp: 194193
Ion Ratio Lower Upper
117 100
82 52.4 45.3 67.9
119 30.7 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: VD073366.D

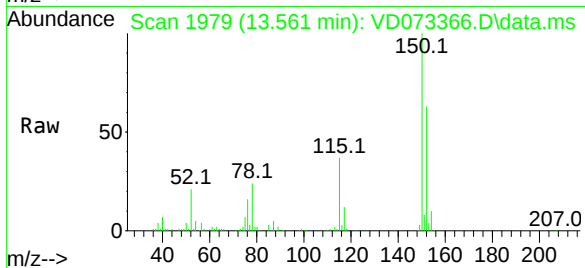
Acq: 25 May 2022 17:51

Instrument :

MSVOA_D

ClientSampleId :

P044-SS001-1824-01



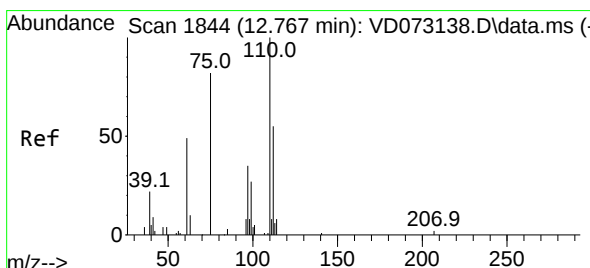
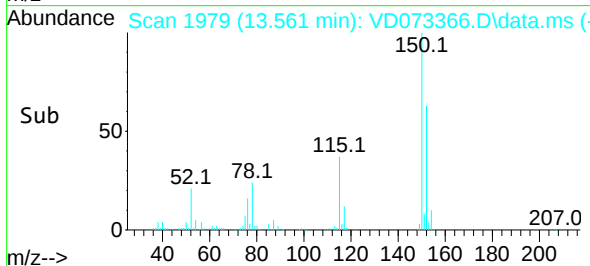
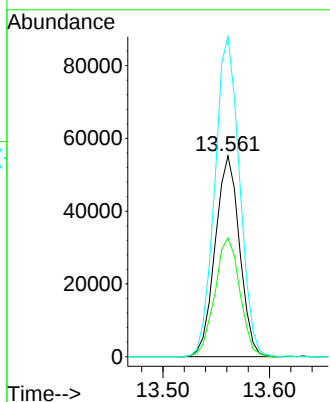
Tgt Ion:152 Resp: 87538

Ion Ratio Lower Upper

152 100

115 60.9 31.3 93.8

150 162.1 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 45.782 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073366.D

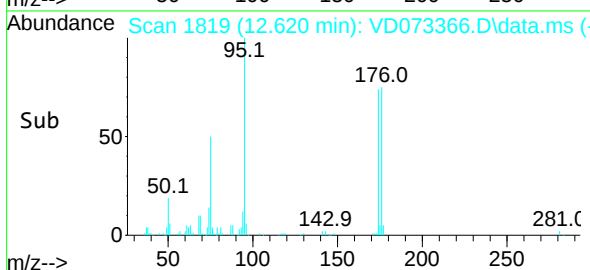
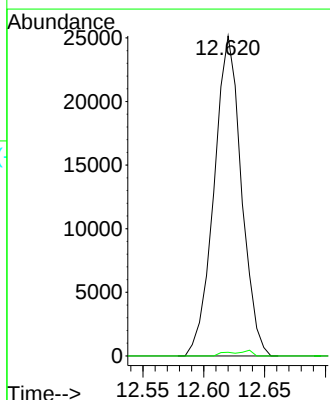
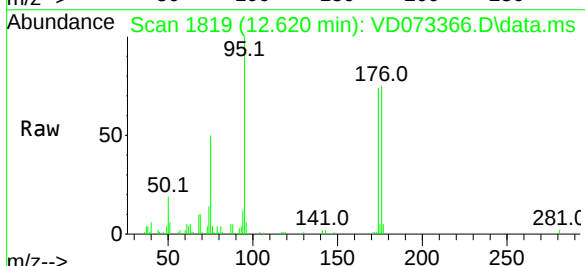
Acq: 25 May 2022 17:51

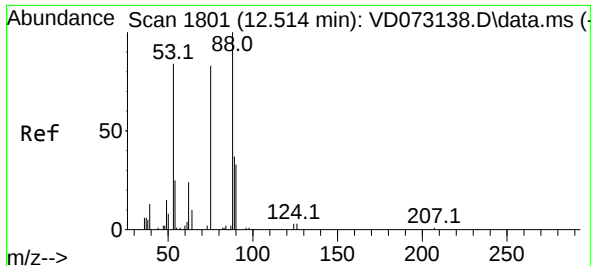
Tgt Ion: 75 Resp: 39322

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

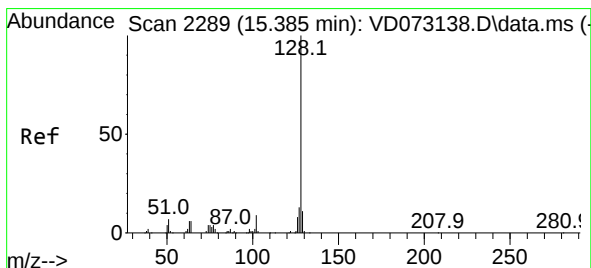
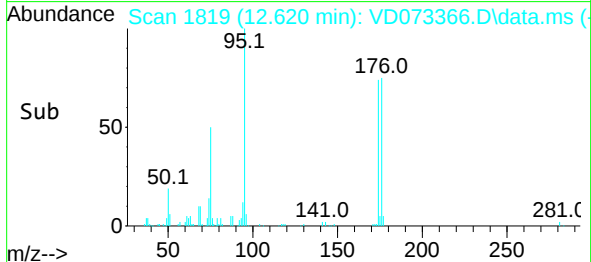
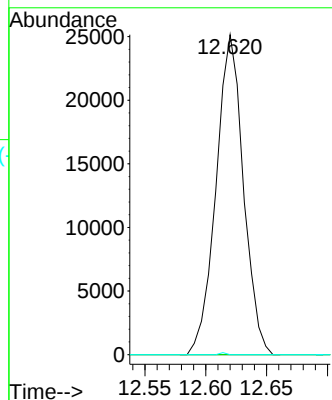
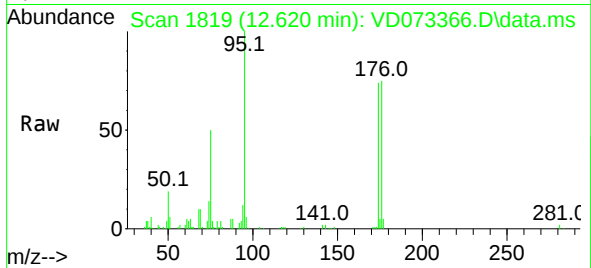




#81
trans-1,4-Dichloro-2-butene
Concen: 109.908 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073366.D
Acq: 25 May 2022 17:51

Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-1824-01

Tgt Ion: 75 Resp: 39322
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#



#95
Naphthalene
Concen: 3.610 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073366.D
Acq: 25 May 2022 17:51

Tgt Ion:128 Resp: 210
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

