

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062822\
 Data File : VD073743.D
 Acq On : 28 Jun 2022 10:39
 Operator : VA/SY
 Sample : VD0628SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBL01

Quant Time: Jun 28 16:27:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062722S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 27 16:20:04 2022
 Response via : Initial Calibration

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

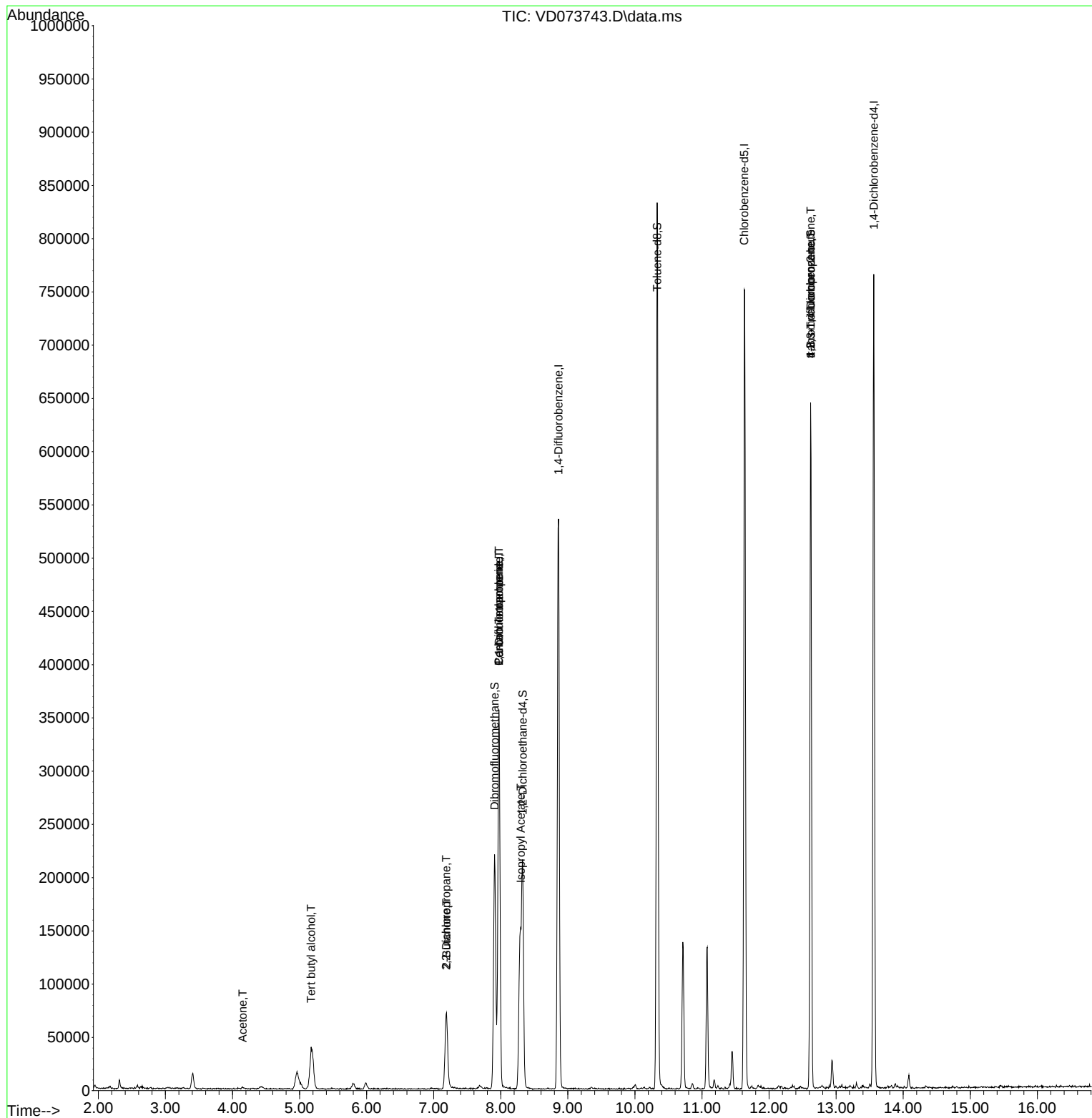
Internal Standards						
1) Pentafluorobenzene	7.973	168	257798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	471879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	446014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	204115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	163475	80.210	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 160.420%	
35) Dibromofluoromethane	7.908	113	154829	56.858	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.720%	
50) Toluene-d8	10.331	98	556460	60.263	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 120.520%	
62) 4-Bromofluorobenzene	12.620	95	194110	51.046	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.100%	
Target Compounds						
2) Dichlorodifluoromethane	1.985	85	376	Below Cal	#	44
4) Vinyl Chloride	2.361	62	53	Below Cal	#	40
5) Bromomethane	2.773	94	760	Below Cal	#	74
11) Tert butyl alcohol	5.173	59	35136	92.575	ug/l #	100
16) Acetone	4.149	43	1384	3.379	ug/l #	69
18) Methyl Acetate	4.779	43	83	Below Cal	#	50
20) Methylene Chloride	4.973	84	11973	Below Cal	#	80
25) 2-Butanone	7.190	43	4121	6.758	ug/l #	70
26) 2,2-Dichloropropane	7.185	77	5604	1.430	ug/l #	53
31) Cyclohexane	7.973	56	6035	Below Cal	#	3
36) 1,1-Dichloropropene	7.973	75	20613	6.077	ug/l #	50
38) Carbon Tetrachloride	7.973	117	28072	6.754	ug/l #	16
43) Isopropyl Acetate	8.296	43	3528	1.169	ug/l #	20
76) 1,2,3-Trichloropropane	12.620	75	100725	65.958	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	100725	134.343	ug/l #	11

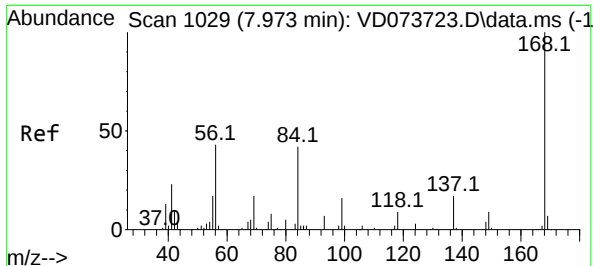
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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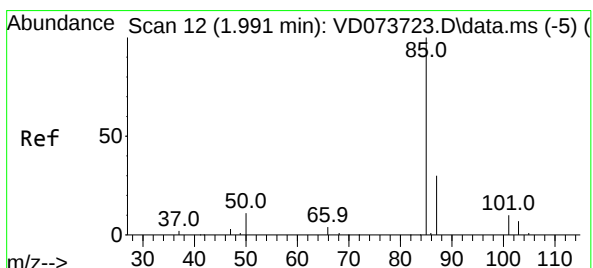
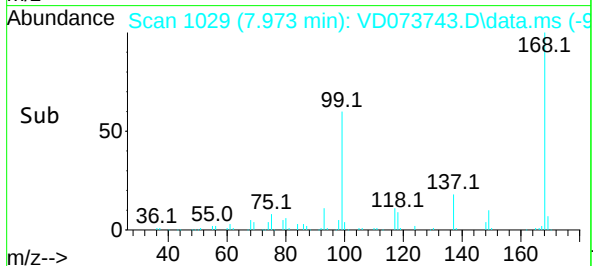
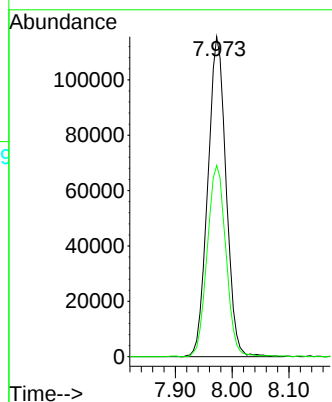
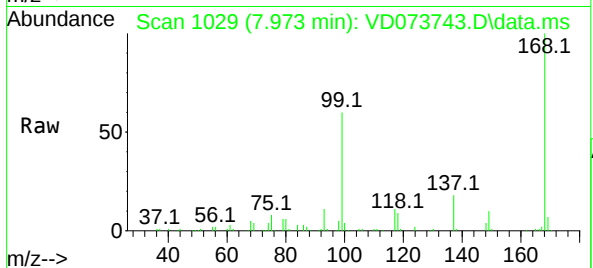




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073743.D
Acq: 28 Jun 2022 10:39

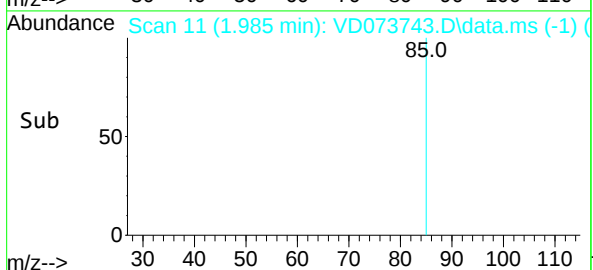
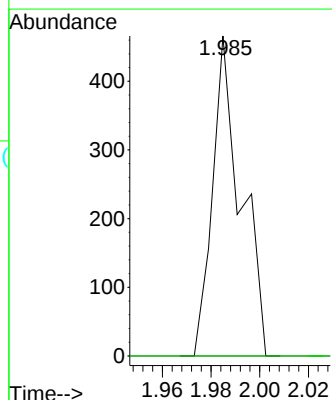
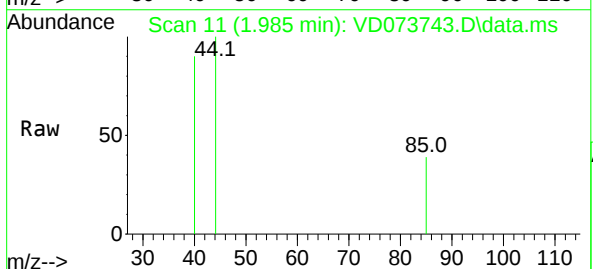
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBL01

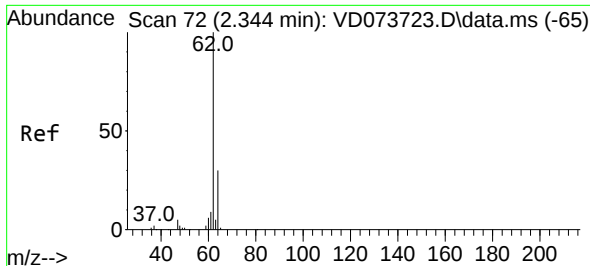
Tgt Ion:168 Resp: 257798
Ion Ratio Lower Upper
168 100
99 59.8 46.4 69.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073743.D
Acq: 28 Jun 2022 10:39

Tgt Ion: 85 Resp: 376
Ion Ratio Lower Upper
85 100
87 0.0 15.2 45.5#





#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.361 min Scan# 71
 Delta R.T. 0.017 min
 Lab File: VD073743.D
 Acq: 28 Jun 2022 10:39

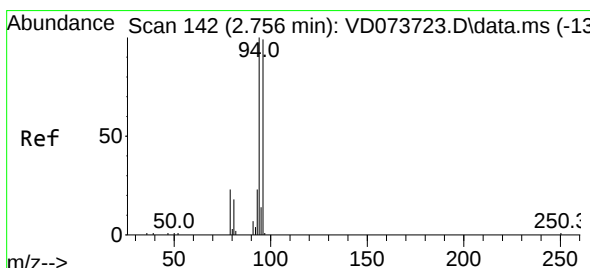
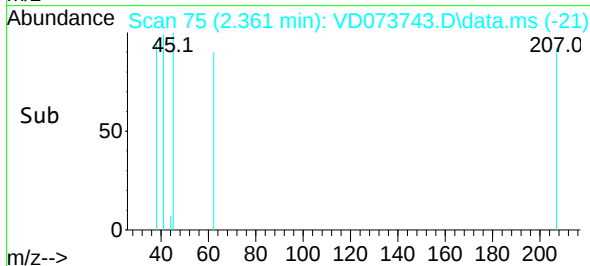
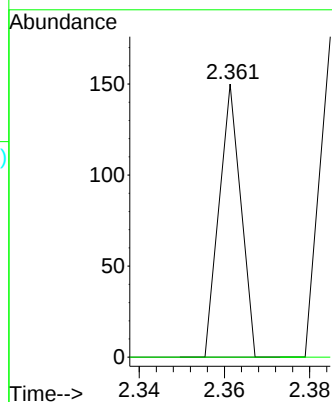
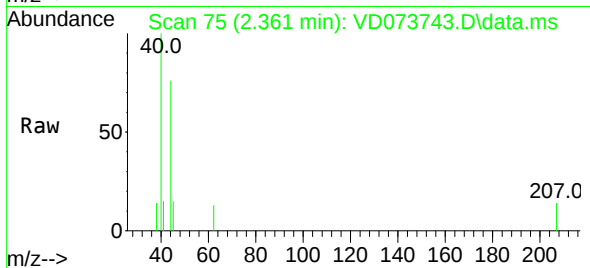
Instrument :

MSVOA_D

ClientSampleId :

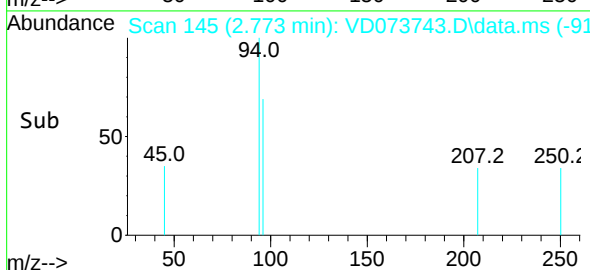
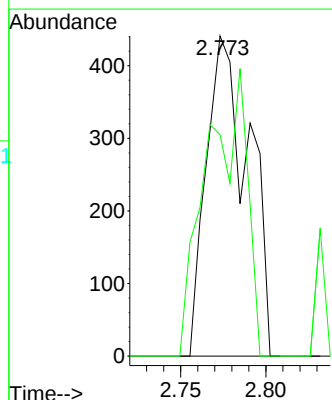
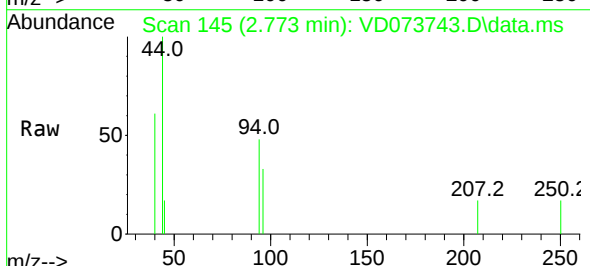
VD0628SBL01

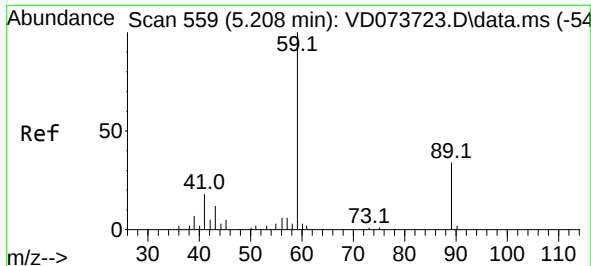
Tgt Ion: 62 Resp: 53
 Ion Ratio Lower Upper
 62 100
 64 0.0 27.8 41.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.773 min Scan# 145
 Delta R.T. 0.017 min
 Lab File: VD073743.D
 Acq: 28 Jun 2022 10:39

Tgt Ion: 94 Resp: 760
 Ion Ratio Lower Upper
 94 100
 96 69.2 75.1 112.7#





#11

Tert butyl alcohol

Concen: 92.575 ug/l

RT: 5.173 min Scan# 51

Delta R.T. -0.035 min

Lab File: VD073743.D

Acq: 28 Jun 2022 10:39

Instrument :

MSVOA_D

ClientSampleId :

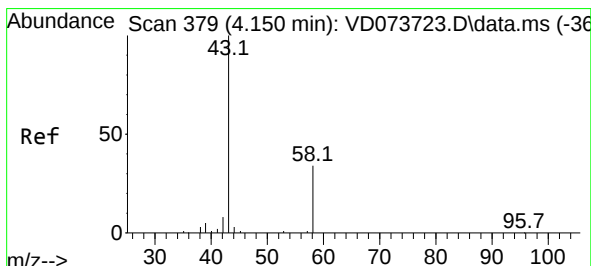
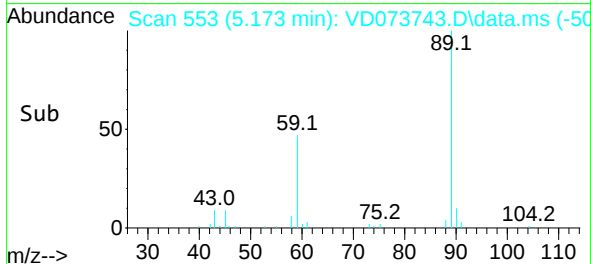
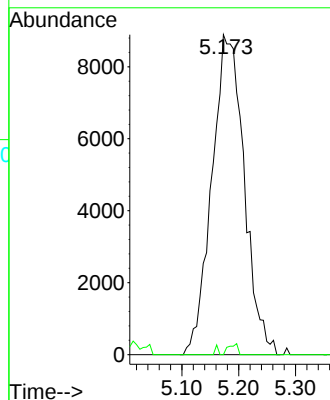
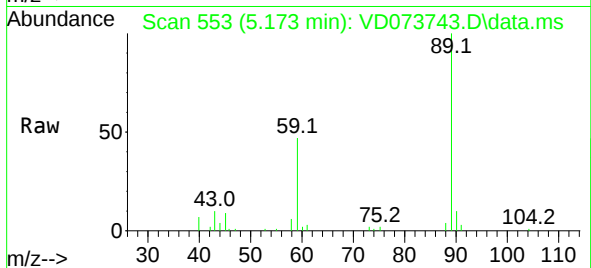
VD0628SBL01

Tgt Ion: 59 Resp: 35136

Ion Ratio Lower Upper

59 100

57 0.3 0.0 0.0#



#16

Acetone

Concen: 3.379 ug/l

RT: 4.149 min Scan# 379

Delta R.T. -0.001 min

Lab File: VD073743.D

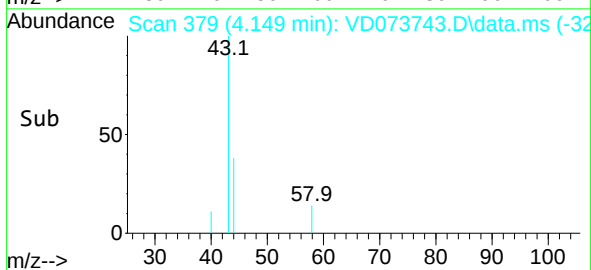
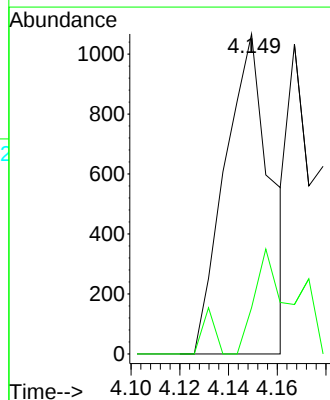
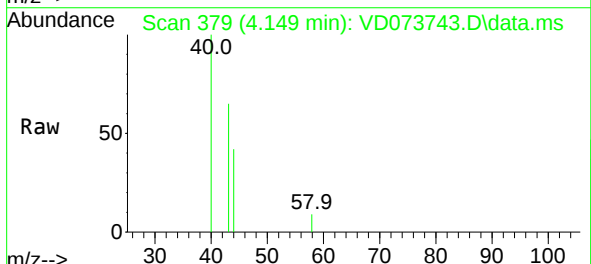
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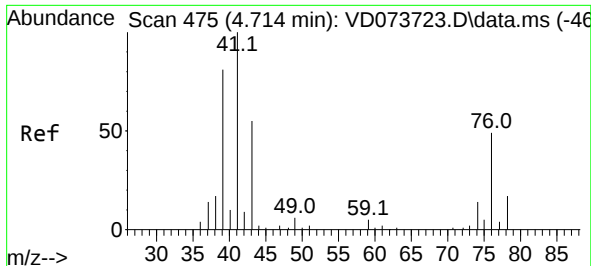
Tgt Ion: 43 Resp: 1384

Ion Ratio Lower Upper

43 100

58 14.4 25.2 37.8#

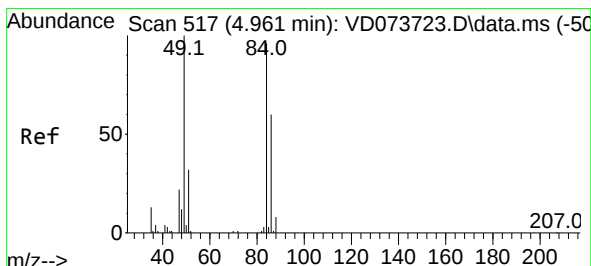
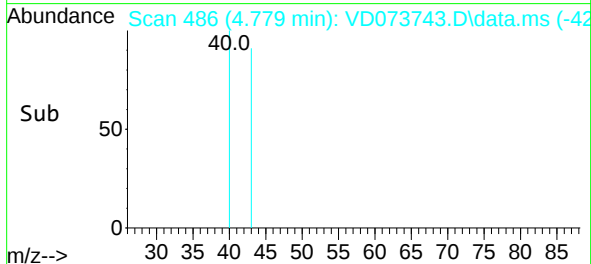
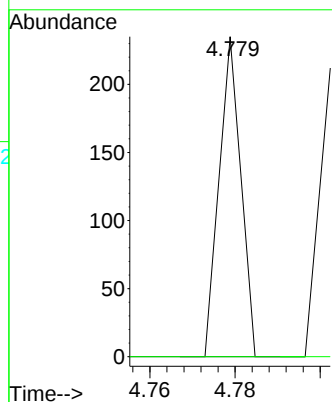
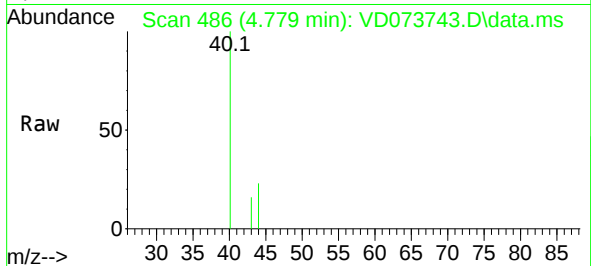




#18
Methyl Acetate
Concen: Below Cal
RT: 4.779 min Scan# 41
Delta R.T. 0.065 min
Lab File: VD073743.D
Acq: 28 Jun 2022 10:39

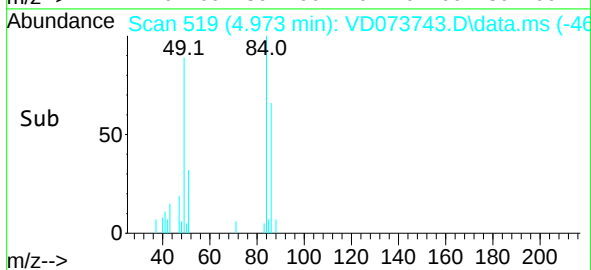
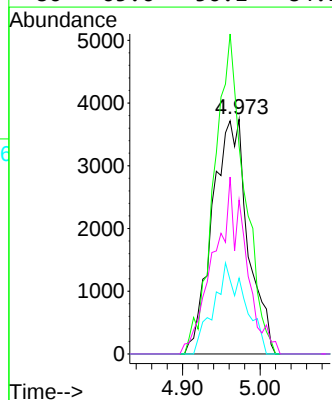
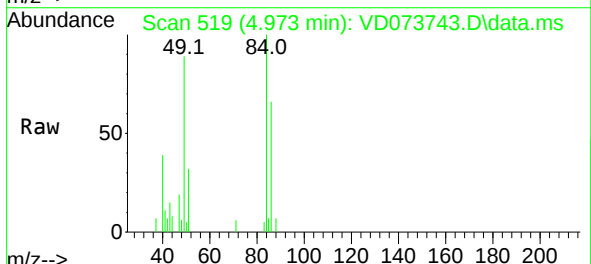
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBL01

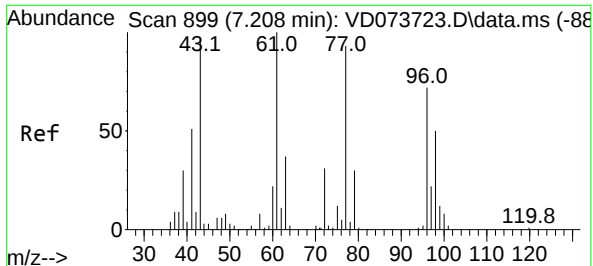
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.012 min
Lab File: VD073743.D
Acq: 28 Jun 2022 10:39

Tgt Ion: 84 Resp: 11973
Ion Ratio Lower Upper
84 100
49 88.6 100.6 150.8#
51 32.3 29.8 44.6
86 65.6 56.1 84.1





#25

2-Butanone

Concen: 6.758 ug/l

RT: 7.190 min Scan# 896

Delta R.T. -0.018 min

Lab File: VD073743.D

Acq: 28 Jun 2022 10:39

Instrument :

MSVOA_D

ClientSampleId :

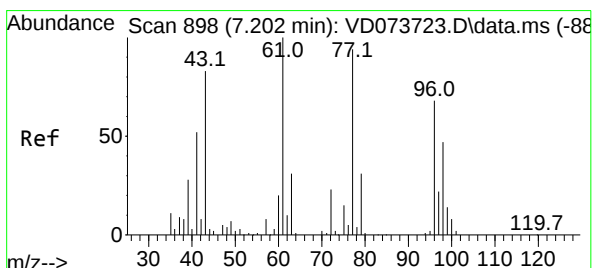
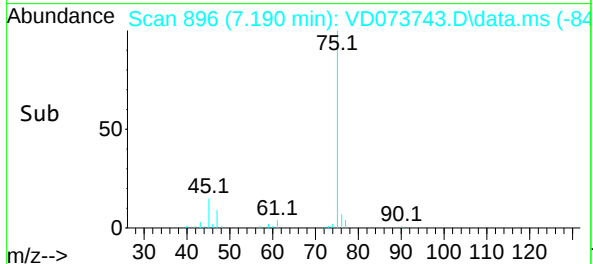
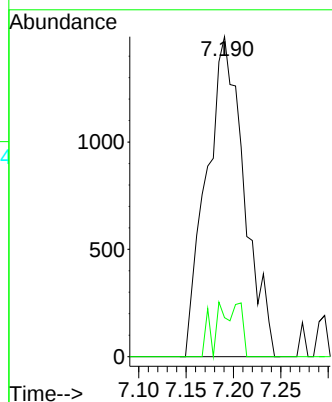
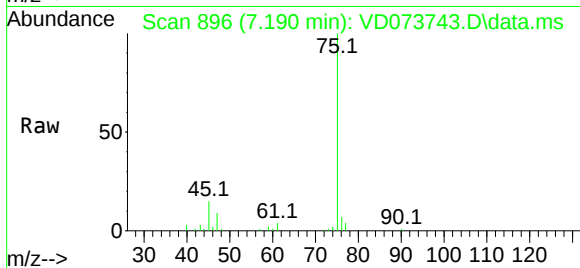
VD0628SBL01

Tgt Ion: 43 Resp: 4121

Ion Ratio Lower Upper

43 100

72 12.2 22.6 33.8#



#26

2,2-Dichloropropane

Concen: 1.430 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.017 min

Lab File: VD073743.D

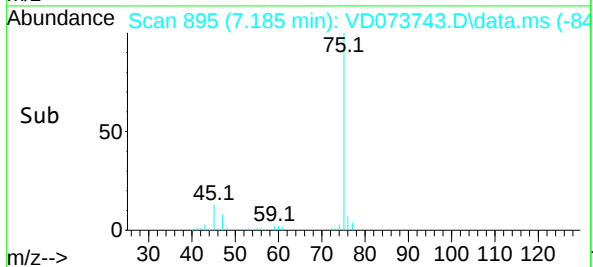
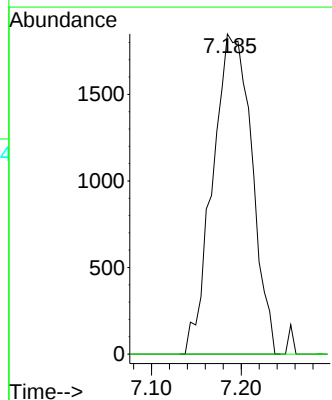
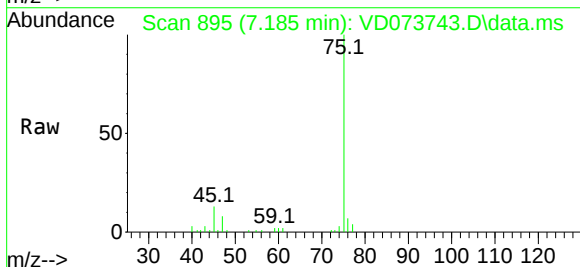
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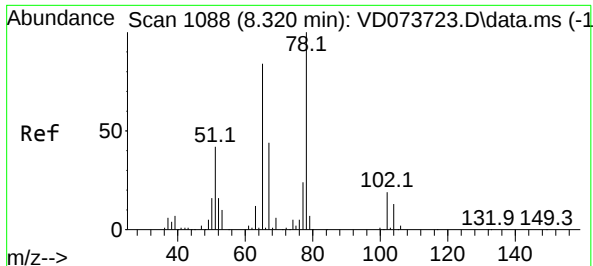
Tgt Ion: 77 Resp: 5604

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#





#33

1,2-Dichloroethane-d4

Concen: 80.210 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073743.D

Acq: 28 Jun 2022 10:39

Instrument :

MSVOA_D

ClientSampleId :

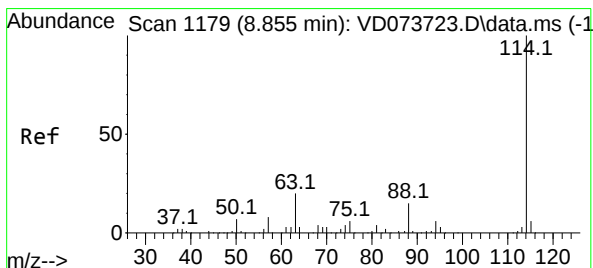
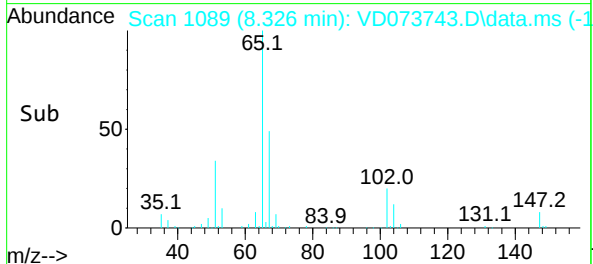
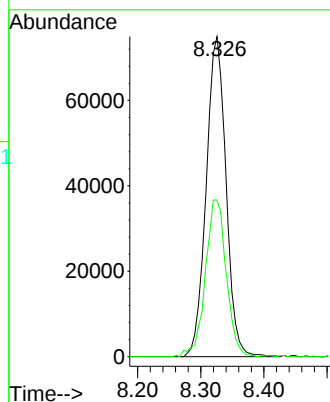
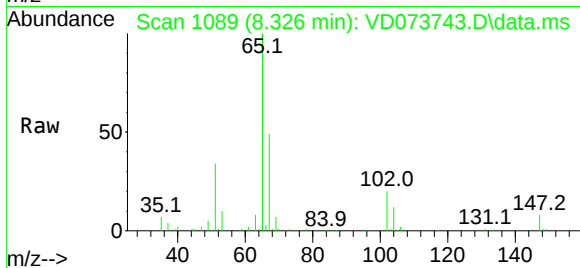
VD0628SBL01

Tgt Ion: 65 Resp: 163475

Ion Ratio Lower Upper

65 100

67 51.6 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073743.D

Acq: 28 Jun 2022 10:39

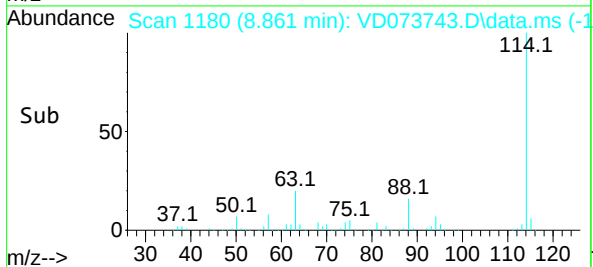
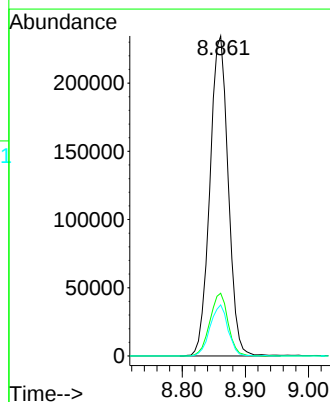
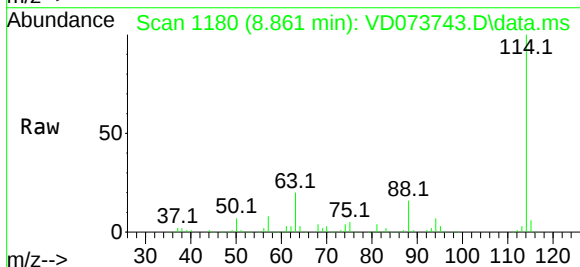
Tgt Ion: 114 Resp: 471879

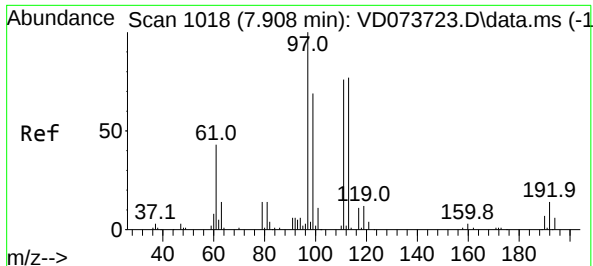
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

88 16.0 0.0 29.4





#35

Dibromofluoromethane

Concen: 56.858 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073743.D

Acq: 28 Jun 2022 10:39

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VD0628SBL01

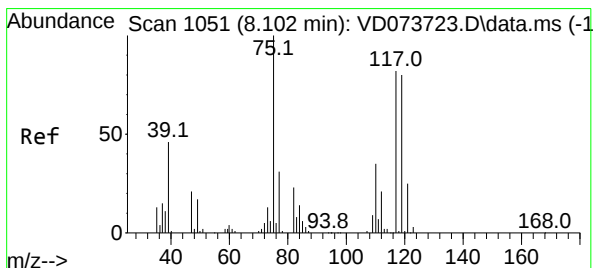
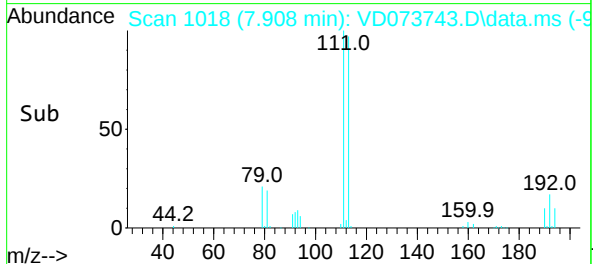
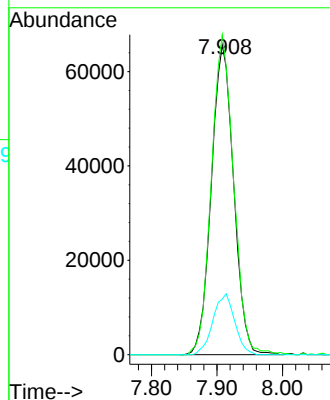
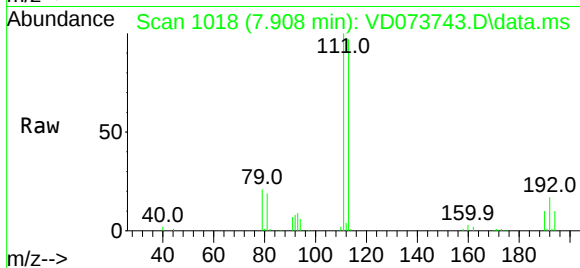
Tgt Ion:113 Resp: 154829

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.6

192 19.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 6.077 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD073743.D

Acq: 28 Jun 2022 10:39

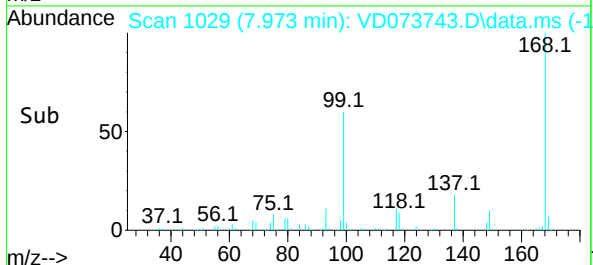
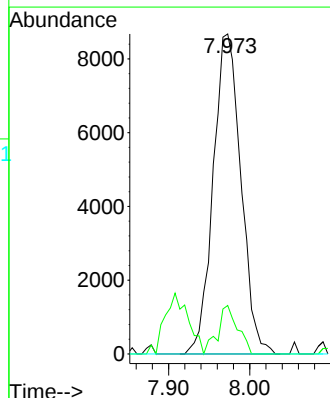
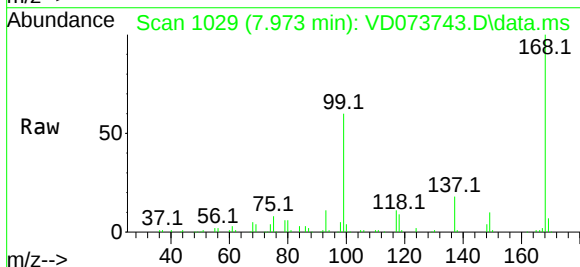
Tgt Ion: 75 Resp: 20613

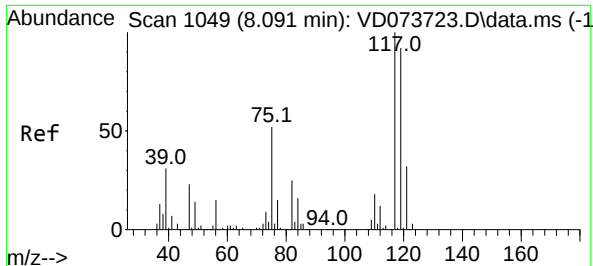
Ion Ratio Lower Upper

75 100

110 10.8 18.0 54.0#

77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 6.754 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073743.D

Acq: 28 Jun 2022 10:39

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBL01

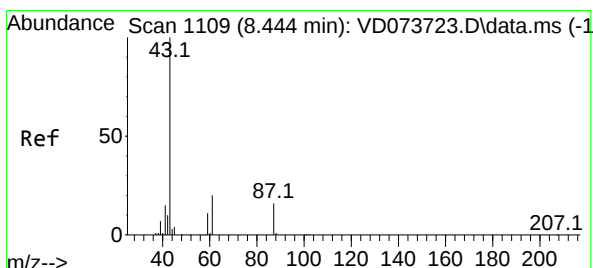
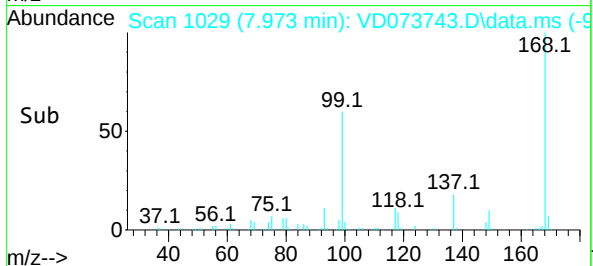
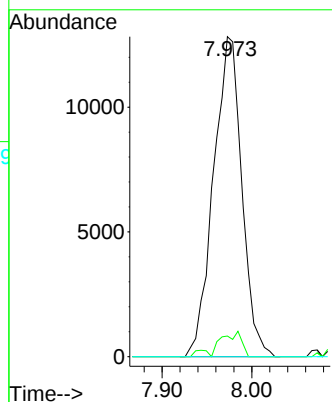
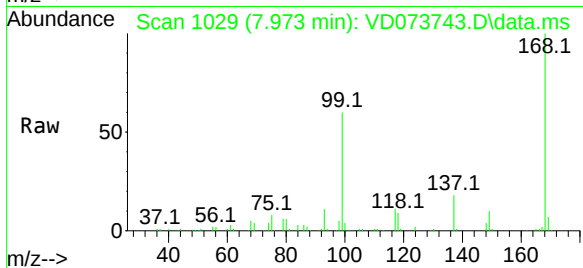
Tgt Ion:117 Resp: 28072

Ion Ratio Lower Upper

117 100

119 6.5 79.2 118.8#

121 0.0 23.8 35.8#



#43

Isopropyl Acetate

Concen: 1.169 ug/l

RT: 8.296 min Scan# 1084

Delta R.T. -0.148 min

Lab File: VD073743.D

Acq: 28 Jun 2022 10:39

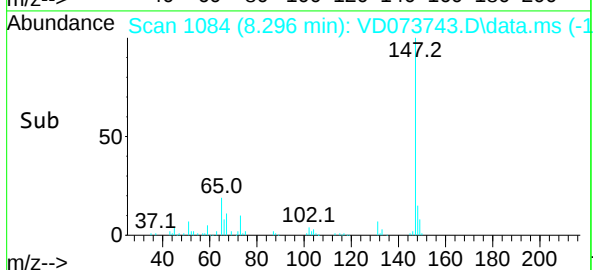
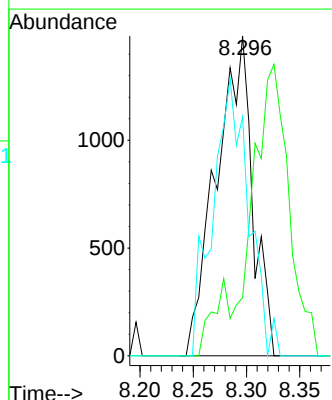
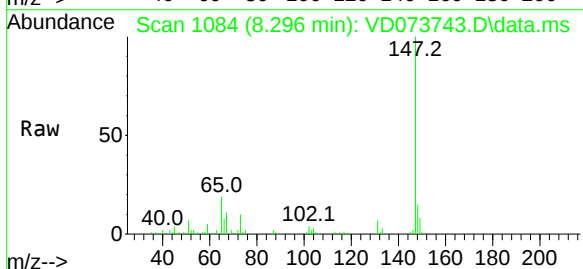
Tgt Ion: 43 Resp: 3528

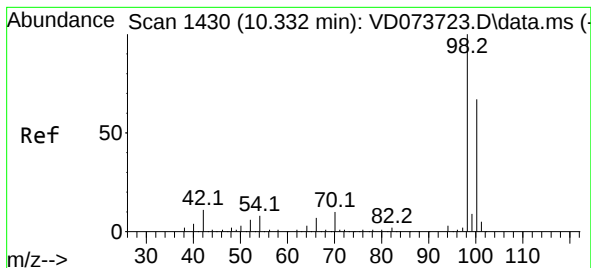
Ion Ratio Lower Upper

43 100

61 11.0 25.4 38.0#

87 85.5 11.9 17.9#

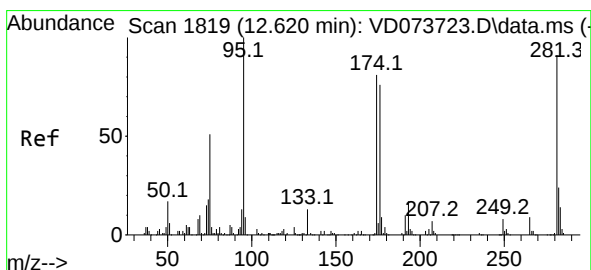
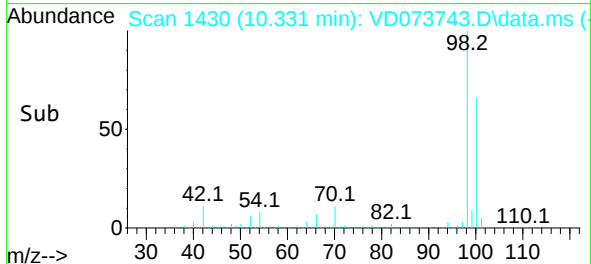
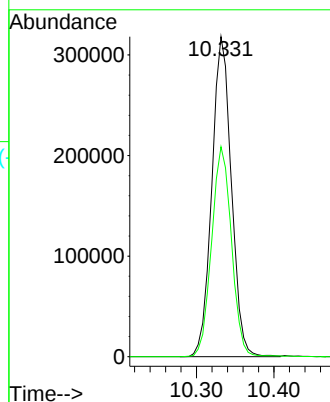
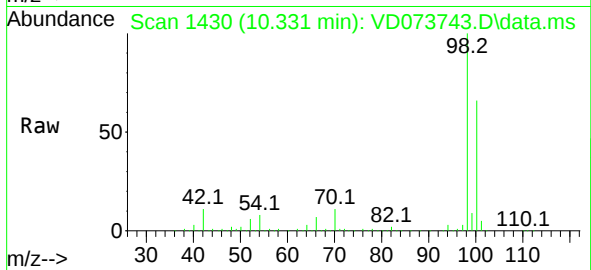




#50
Toluene-d8
Concen: 60.263 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. -0.001 min
Lab File: VD073743.D
Acq: 28 Jun 2022 10:39

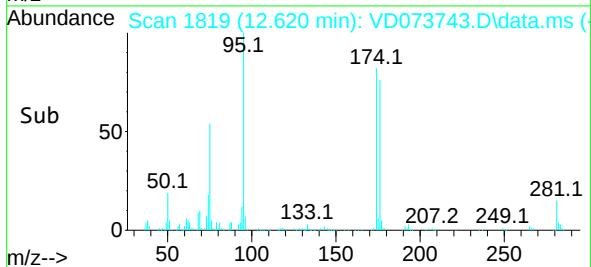
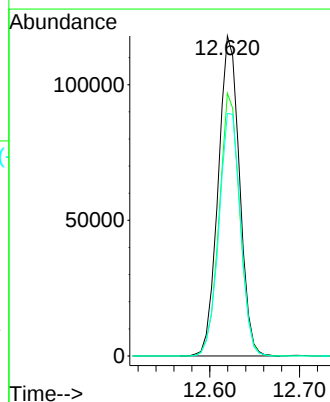
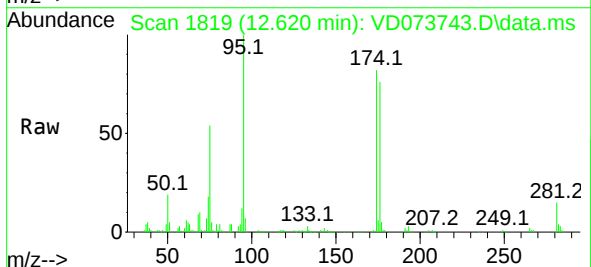
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBL01

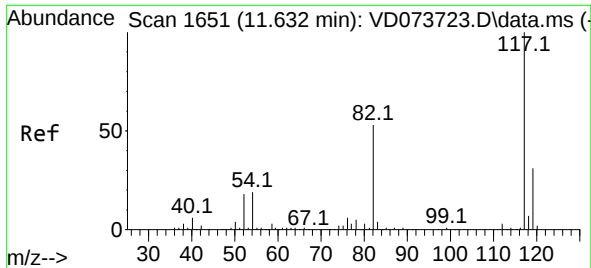
Tgt Ion: 98 Resp: 556460
Ion Ratio Lower Upper
98 100
100 66.7 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 51.046 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073743.D
Acq: 28 Jun 2022 10:39

Tgt Ion: 95 Resp: 194110
Ion Ratio Lower Upper
95 100
174 79.3 0.0 158.4
176 76.7 0.0 154.8

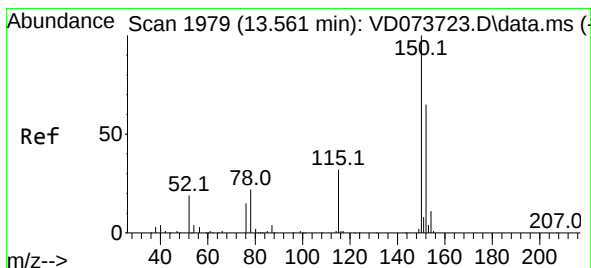
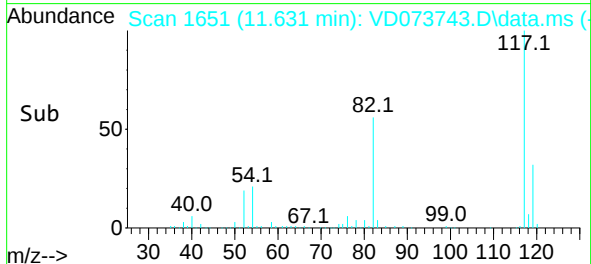
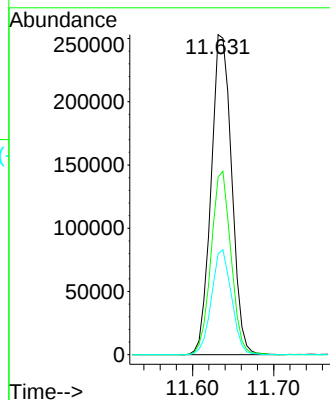
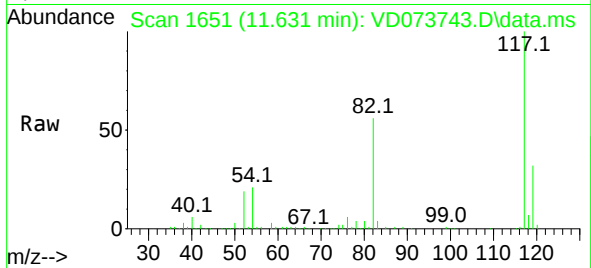




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.631 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD073743.D
Acq: 28 Jun 2022 10:39

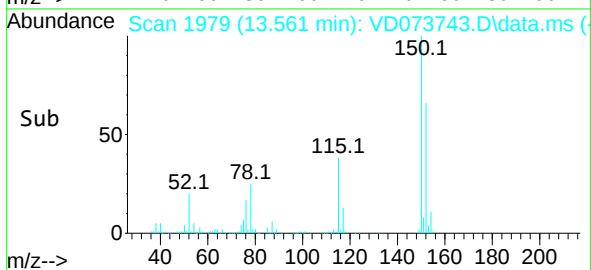
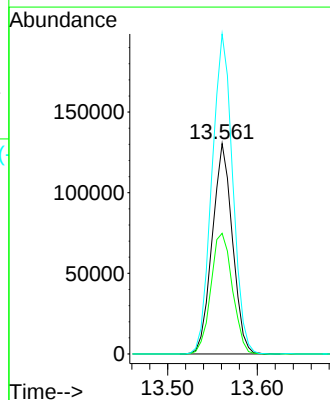
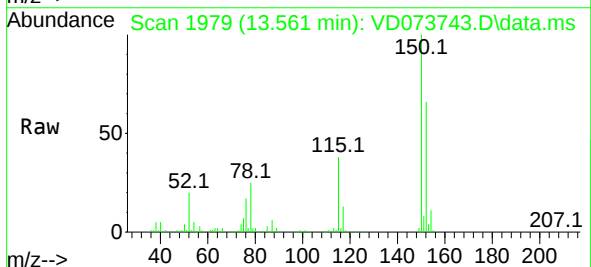
Instrument :
MSVOA_D
ClientSampleId :
VD0628SBL01

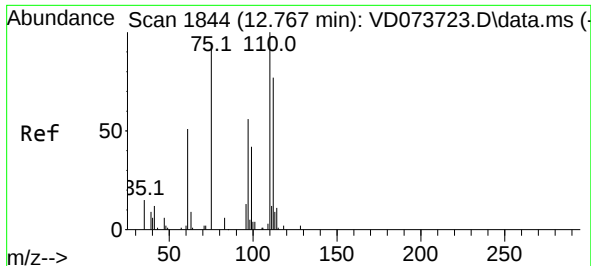
Tgt Ion:117 Resp: 446014
Ion Ratio Lower Upper
117 100
82 55.6 41.5 62.3
119 31.5 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073743.D
Acq: 28 Jun 2022 10:39

Tgt Ion:152 Resp: 204115
Ion Ratio Lower Upper
152 100
115 61.2 30.6 91.6
150 156.1 0.0 355.0

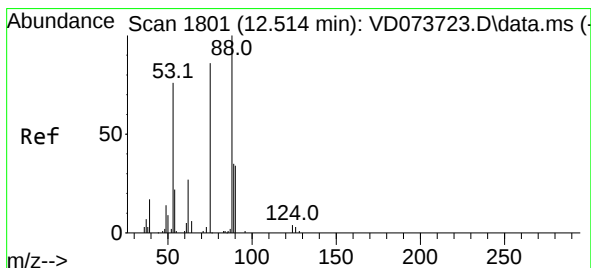
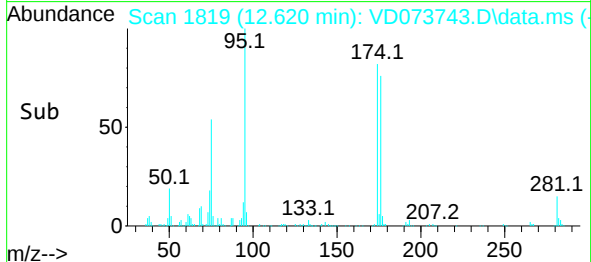
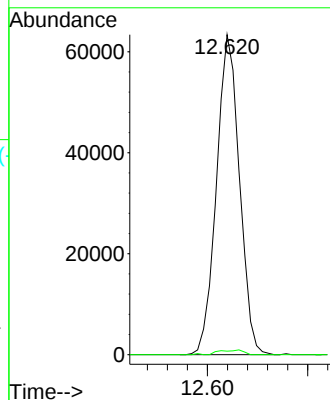
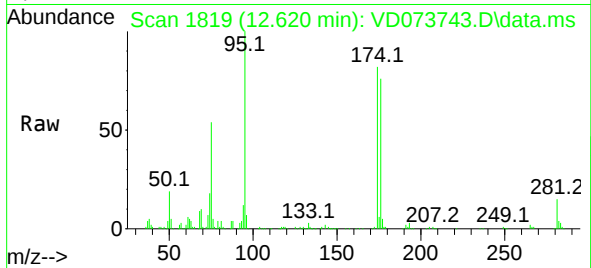




#76
1,2,3-Trichloropropane
Concen: 65.958 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073743.D
Acq: 28 Jun 2022 10:39

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBL01

Tgt Ion: 75 Resp: 100725
Ion Ratio Lower Upper
75 100
77 1.6 195.3 586.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.343 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073743.D
Acq: 28 Jun 2022 10:39

Tgt Ion: 75 Resp: 100725
Ion Ratio Lower Upper
75 100
53 0.0 77.0 115.6#
89 0.1 37.8 56.8#

