

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
 Data File : VD072867.D
 Acq On : 07 May 2022 00:06
 Operator : VA/SY
 Sample : VD0506SBL02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBL02

Quant Time: May 07 01:10:48 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

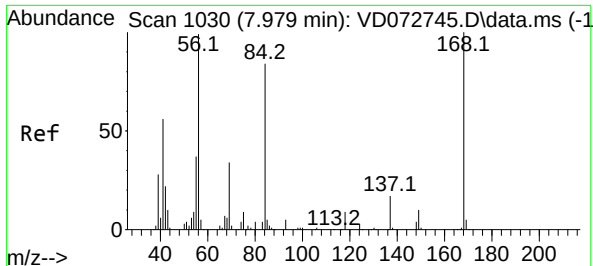
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	414763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	736806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	704018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	311402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	236481	43.923	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.840%		
35) Dibromofluoromethane	7.908	113	234898	45.394	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.780%		
50) Toluene-d8	10.332	98	895379	48.237	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.480%		
62) 4-Bromofluorobenzene	12.620	95	323002	46.668	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.340%		
Target Compounds						
5) Bromomethane	2.773	94	2631	Below Cal		94
11) Tert butyl alcohol	5.167	59	18939	40.657 ug/l #		74
16) Acetone	4.156	43	5327	Below Cal		98
18) Methyl Acetate	4.726	43	120	Below Cal #		55
20) Methylene Chloride	4.967	84	19415	Below Cal #		81
25) 2-Butanone	7.208	43	2931	1.868 ug/l		100
31) Cyclohexane	7.979	56	13151	1.397 ug/l #		1
49) 1,4-Dioxane	9.232	88	62	1.564 ug/l #		21
76) 1,2,3-Trichloropropane	12.620	75	175633	50.581 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	175633	116.315 ug/l #		7

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

Quant Time: May 07 01:10:48 2022
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QLast Update : Tue May 03 08:33:49 2022
Response via : Initial Calibration

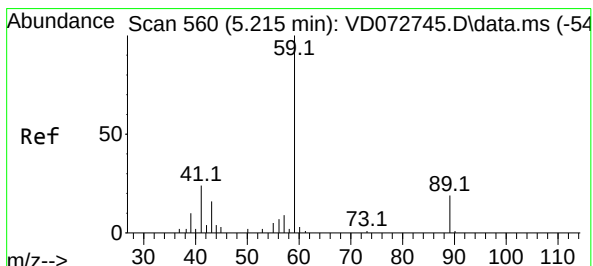
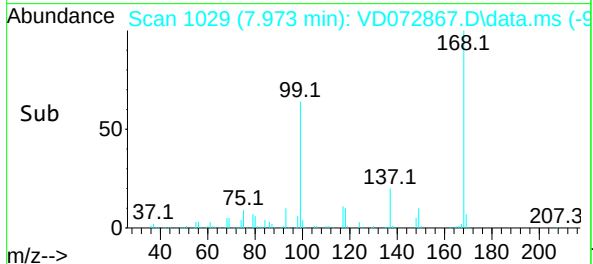
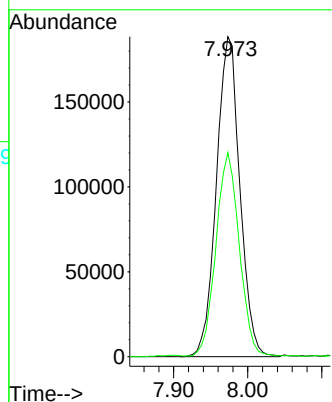
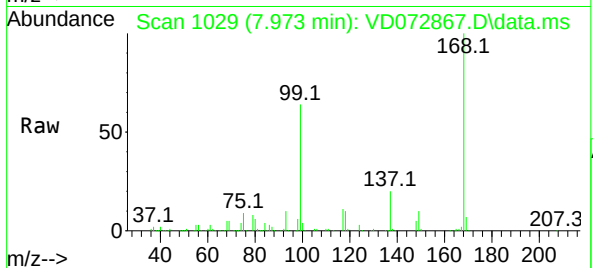




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072867.D
Acq: 07 May 2022 00:06

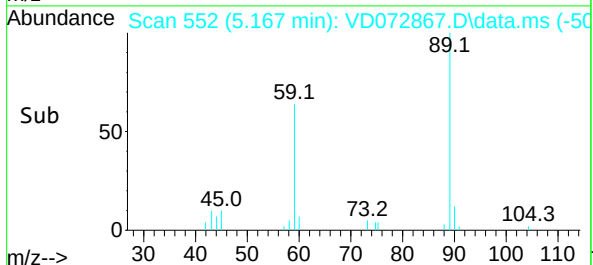
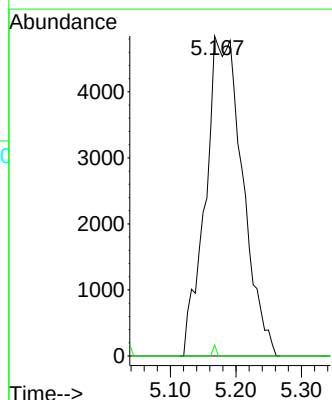
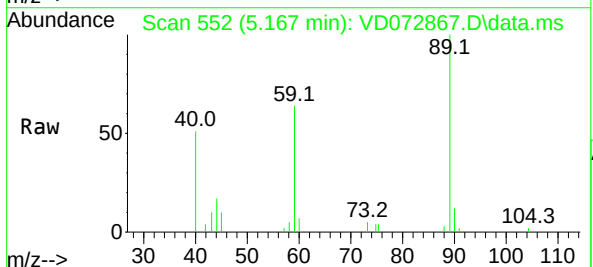
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBL02

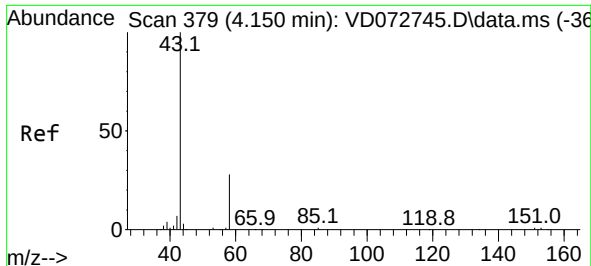
Tgt Ion:168 Resp: 414763
Ion Ratio Lower Upper
168 100
99 63.5 49.8 74.6



#11
Tert butyl alcohol
Concen: 40.657 ug/l
RT: 5.167 min Scan# 552
Delta R.T. -0.048 min
Lab File: VD072867.D
Acq: 07 May 2022 00:06

Tgt Ion: 59 Resp: 18939
Ion Ratio Lower Upper
59 100
57 0.3 7.8 11.6#

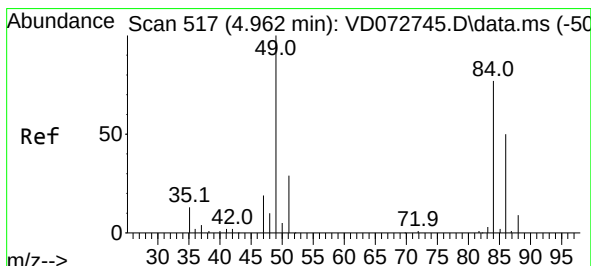
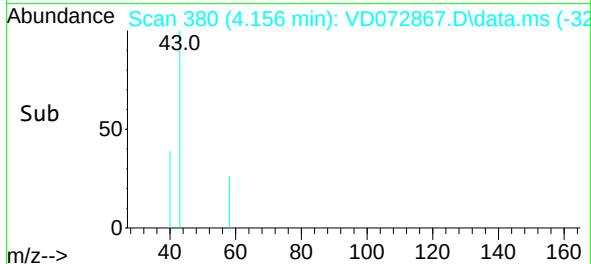
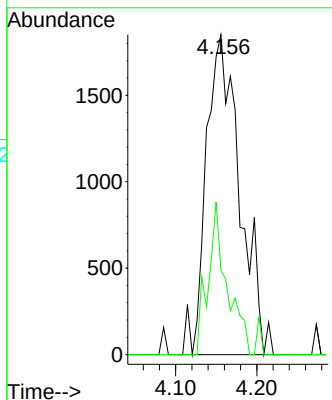
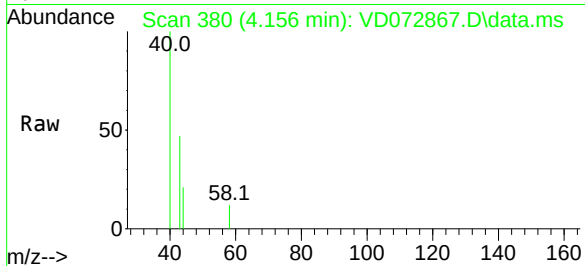




#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD072867.D
Acq: 07 May 2022 00:06

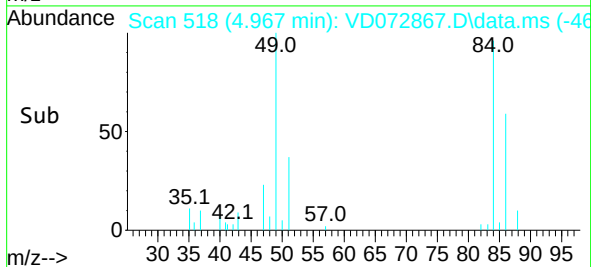
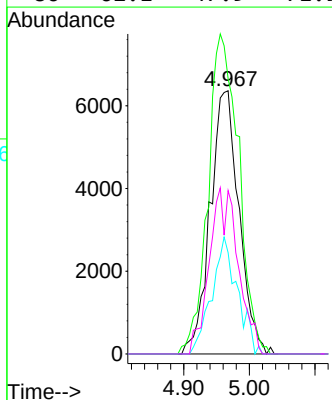
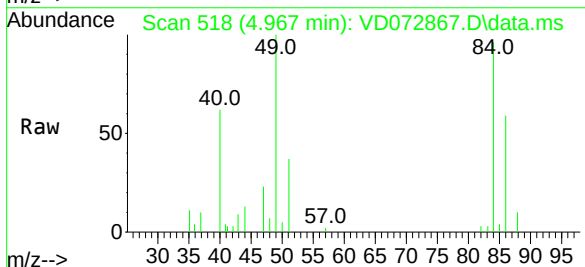
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBL02

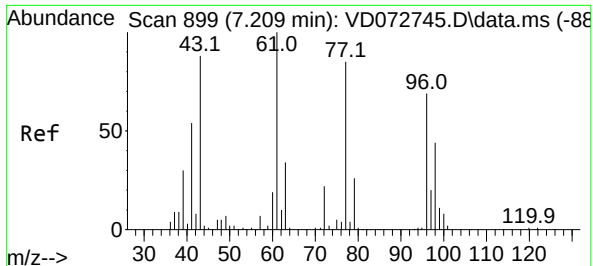
Tgt Ion: 43 Resp: 5327
Ion Ratio Lower Upper
43 100
58 26.4 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD072867.D
Acq: 07 May 2022 00:06

Tgt Ion: 84 Resp: 19415
Ion Ratio Lower Upper
84 100
49 104.6 112.8 169.2#
51 38.5 32.6 48.8
86 62.1 47.9 71.9





#25

2-Butanone

Concen: 1.868 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.001 min

Lab File: VD072867.D

Acq: 07 May 2022 00:06

Instrument :

MSVOA_D

ClientSampleId :

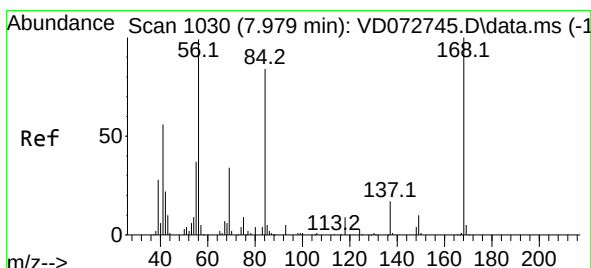
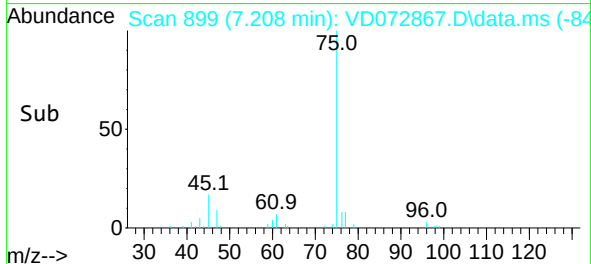
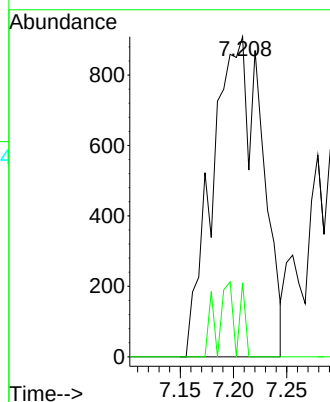
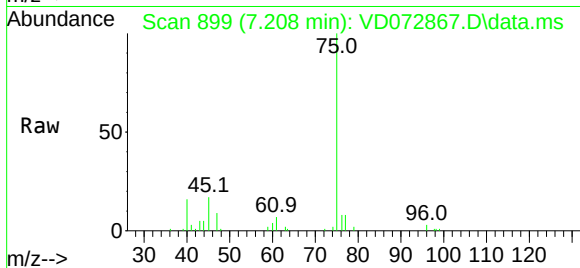
VD0506SBL02

Tgt Ion: 43 Resp: 2931

Ion Ratio Lower Upper

43 100

72 23.1 18.6 27.8



#31

Cyclohexane

Concen: 1.397 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072867.D

Acq: 07 May 2022 00:06

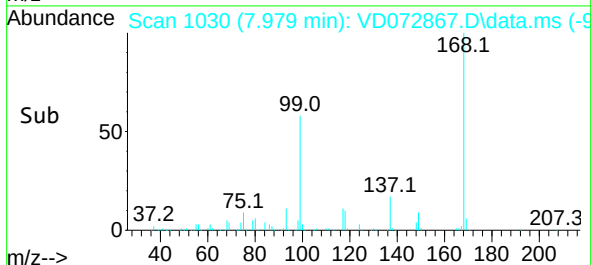
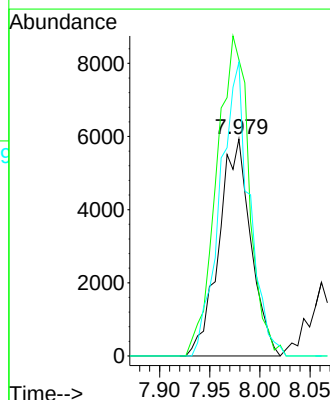
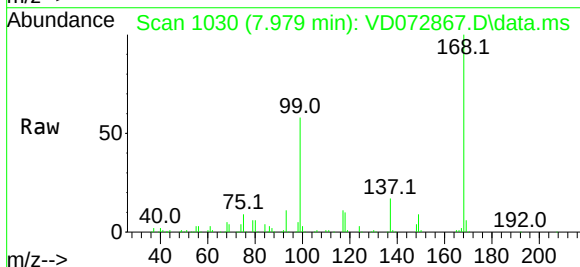
Tgt Ion: 56 Resp: 13151

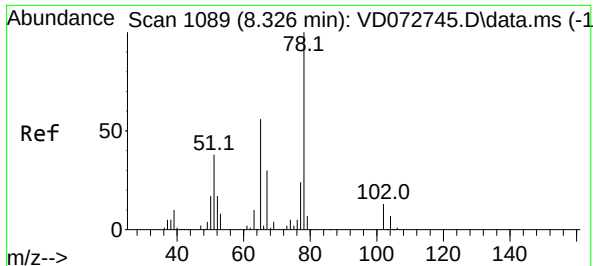
Ion Ratio Lower Upper

56 100

69 136.6 25.4 38.2#

84 135.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 43.923 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072867.D

Acq: 07 May 2022 00:06

Instrument :

MSVOA_D

ClientSampleId :

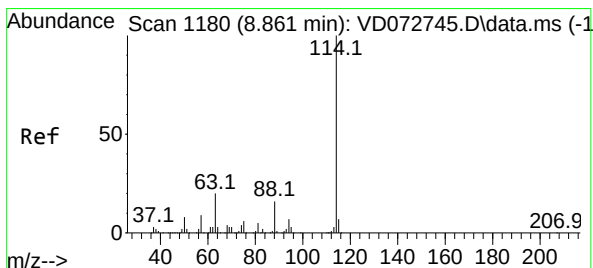
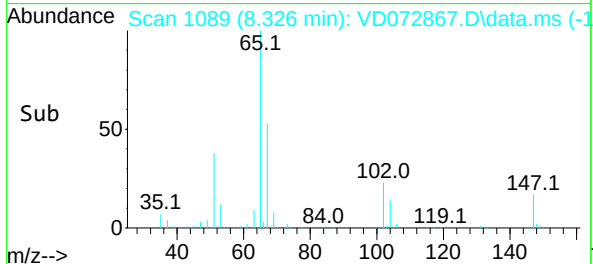
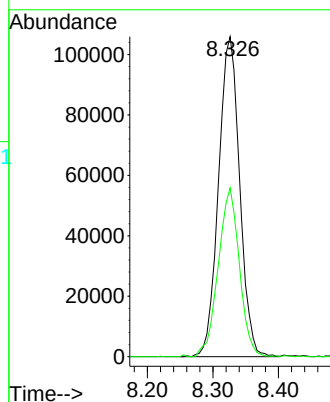
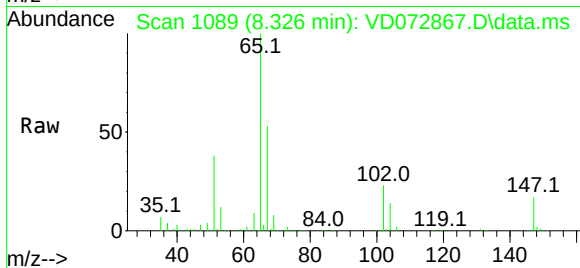
VD0506SBL02

Tgt Ion: 65 Resp: 236481

Ion Ratio Lower Upper

65 100

67 52.8 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: VD072867.D

Acq: 07 May 2022 00:06

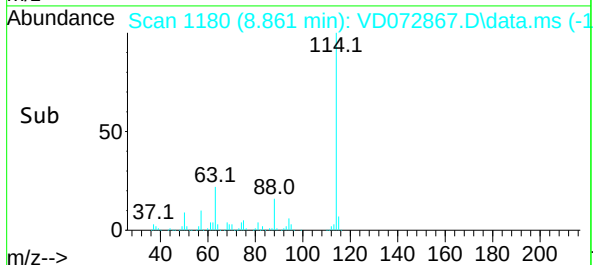
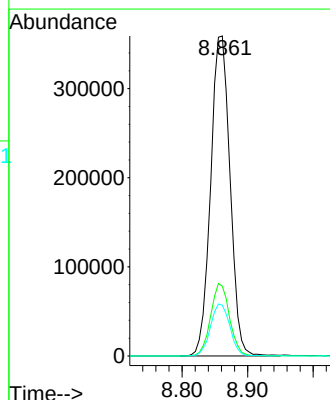
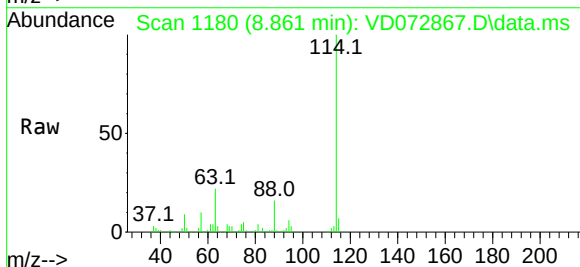
Tgt Ion: 114 Resp: 736806

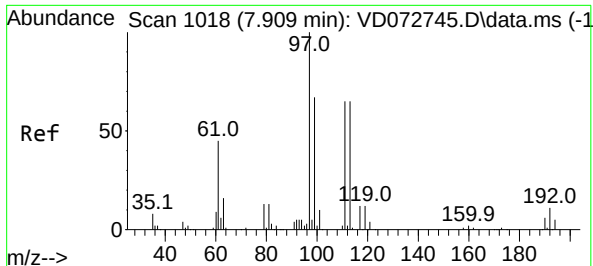
Ion Ratio Lower Upper

114 100

63 21.8 0.0 46.6

88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.394 ug/l

RT: 7.908 min Scan# 1

Delta R.T. -0.001 min

Lab File: VD072867.D

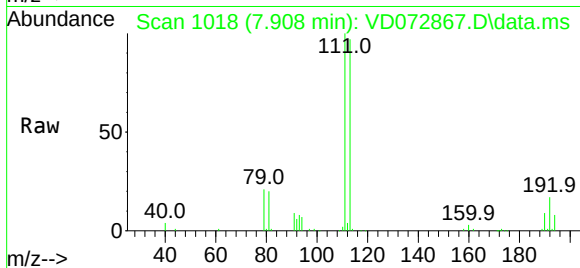
Acq: 07 May 2022 00:06

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBL02



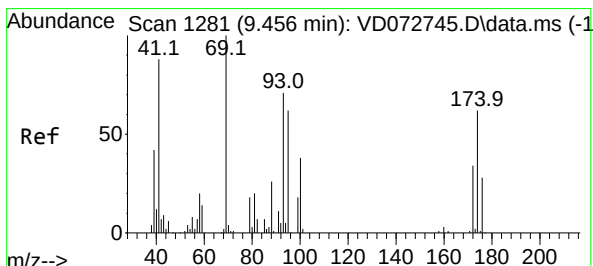
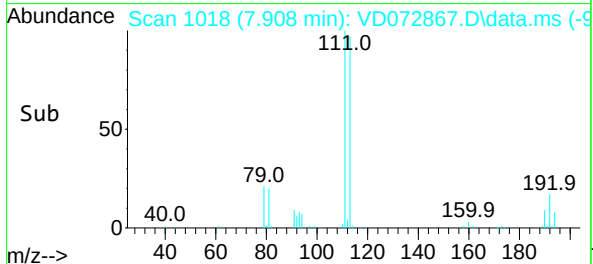
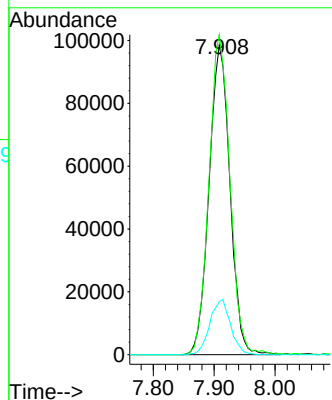
Tgt Ion:113 Resp: 234898

Ion Ratio Lower Upper

113 100

111 103.9 83.8 125.6

192 17.7 14.6 21.8



#49

1,4-Dioxane

Concen: 1.564 ug/l

RT: 9.232 min Scan# 1243

Delta R.T. -0.224 min

Lab File: VD072867.D

Acq: 07 May 2022 00:06

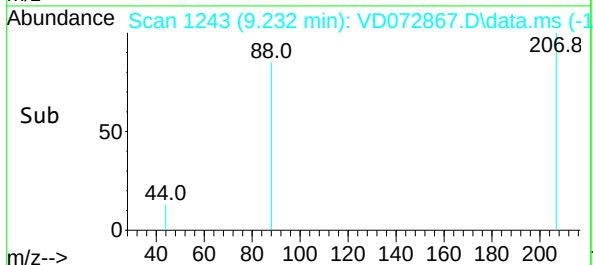
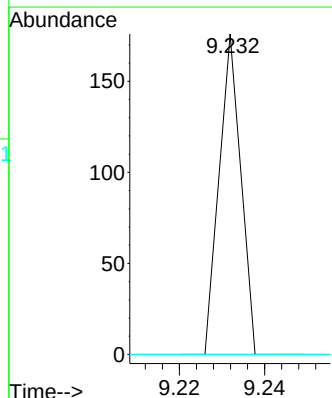
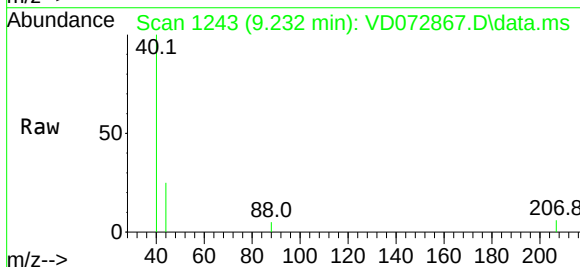
Tgt Ion: 88 Resp: 62

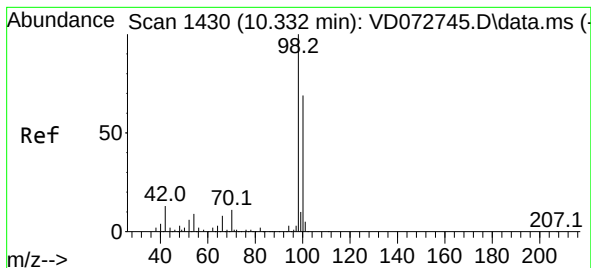
Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

58 0.0 58.1 87.1#

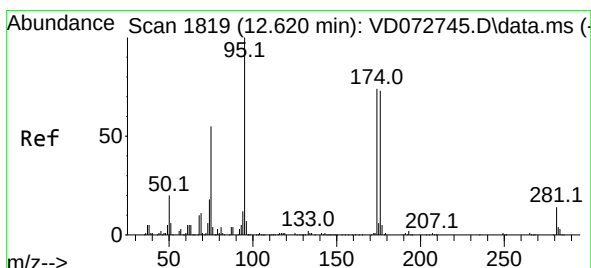
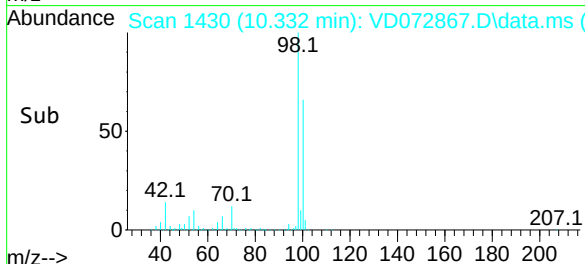
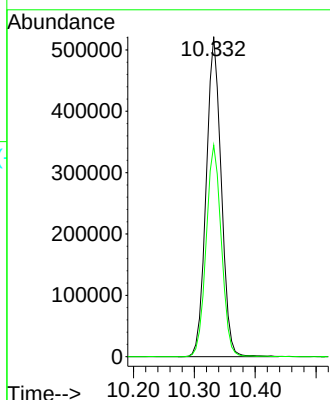
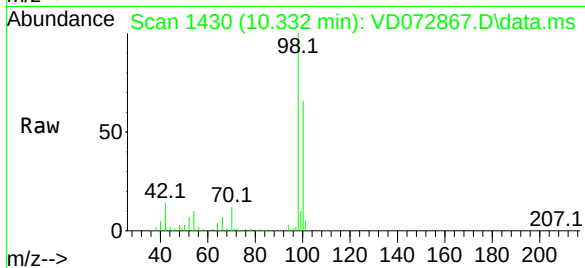




#50
Toluene-d8
Concen: 48.237 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072867.D
Acq: 07 May 2022 00:06

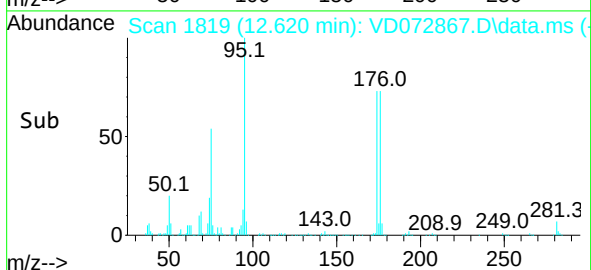
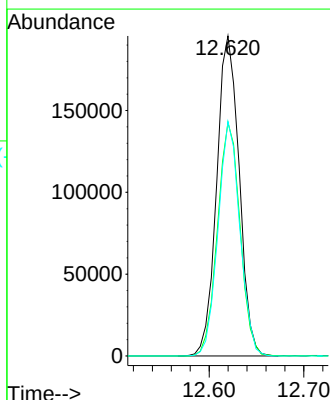
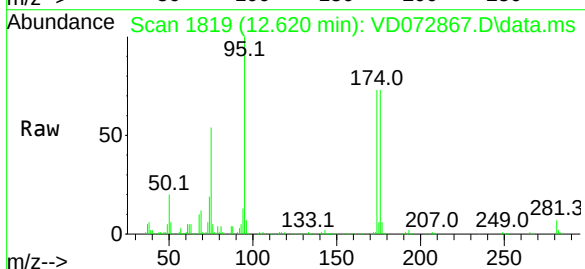
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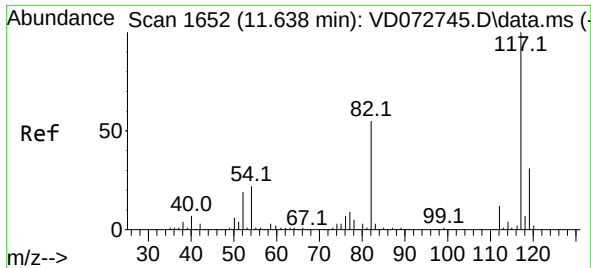
Tgt Ion: 98 Resp: 895379
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.668 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072867.D
Acq: 07 May 2022 00:06

Tgt Ion: 95 Resp: 323002
Ion Ratio Lower Upper
95 100
174 72.9 0.0 152.8
176 71.0 0.0 145.4

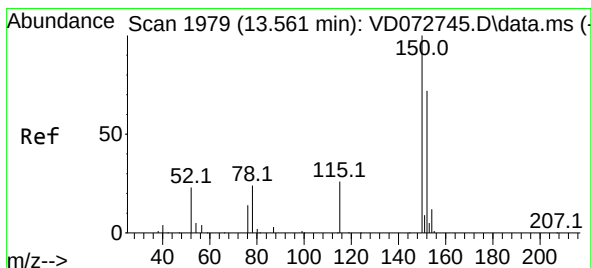
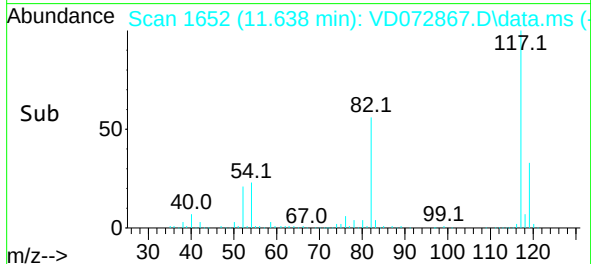
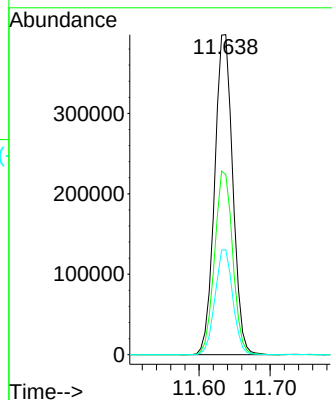
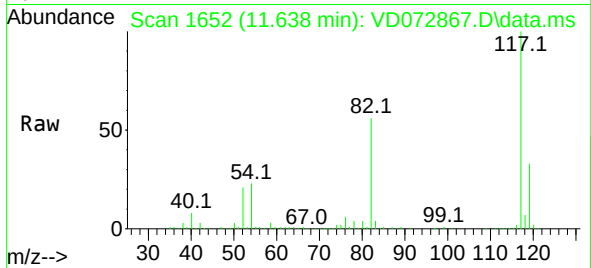




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072867.D
Acq: 07 May 2022 00:06

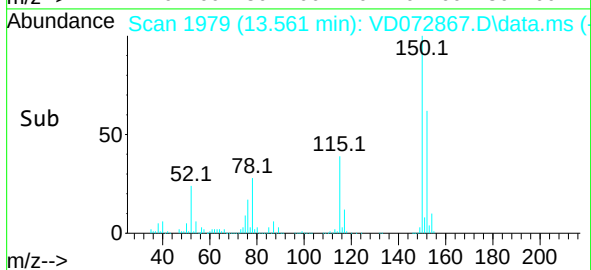
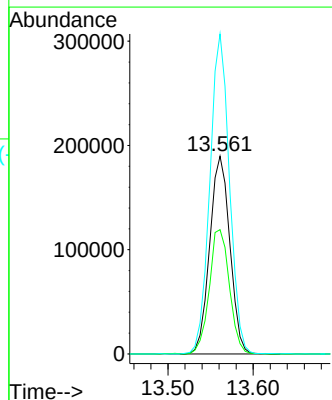
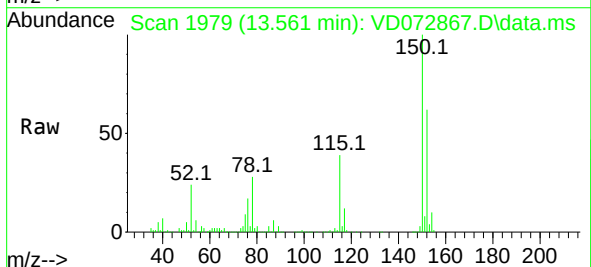
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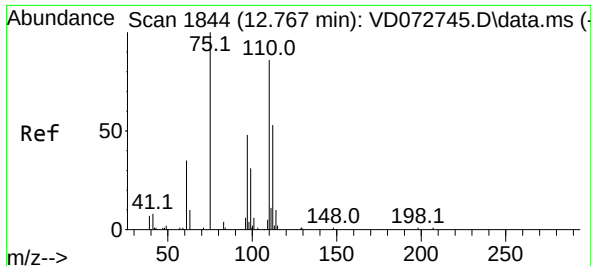
Tgt Ion:117 Resp: 704018
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 32.8 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072867.D
Acq: 07 May 2022 00:06

Tgt Ion:152 Resp: 311402
Ion Ratio Lower Upper
152 100
115 63.0 31.3 93.8
150 157.3 0.0 348.6

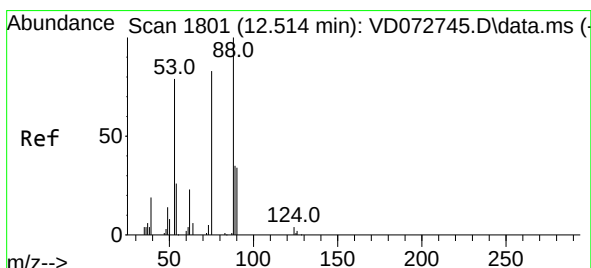
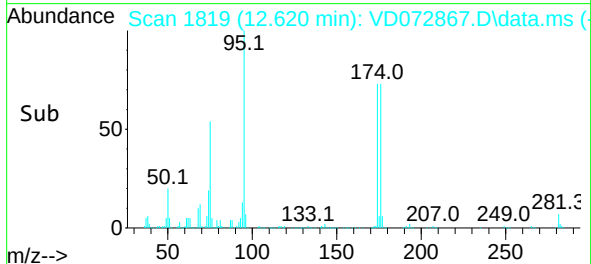
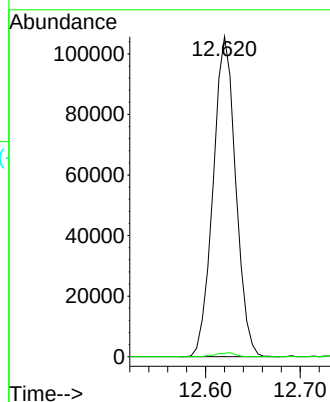
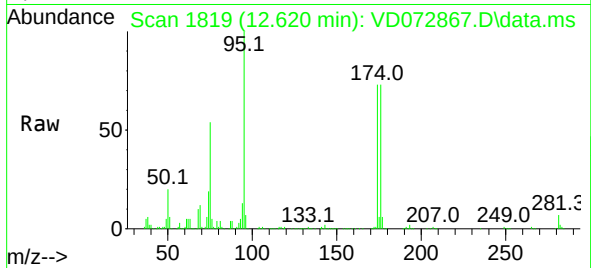




#76
1,2,3-Trichloropropane
Concen: 50.581 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072867.D
Acq: 07 May 2022 00:06

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBL02

Tgt Ion: 75 Resp: 175633
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.315 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072867.D
Acq: 07 May 2022 00:06

Tgt Ion: 75 Resp: 175633
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#

