

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073032.D
 Acq On : 16 May 2022 13:46
 Operator : VA/SY
 Sample : VD0516SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBL01

Quant Time: May 17 03:27:35 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)

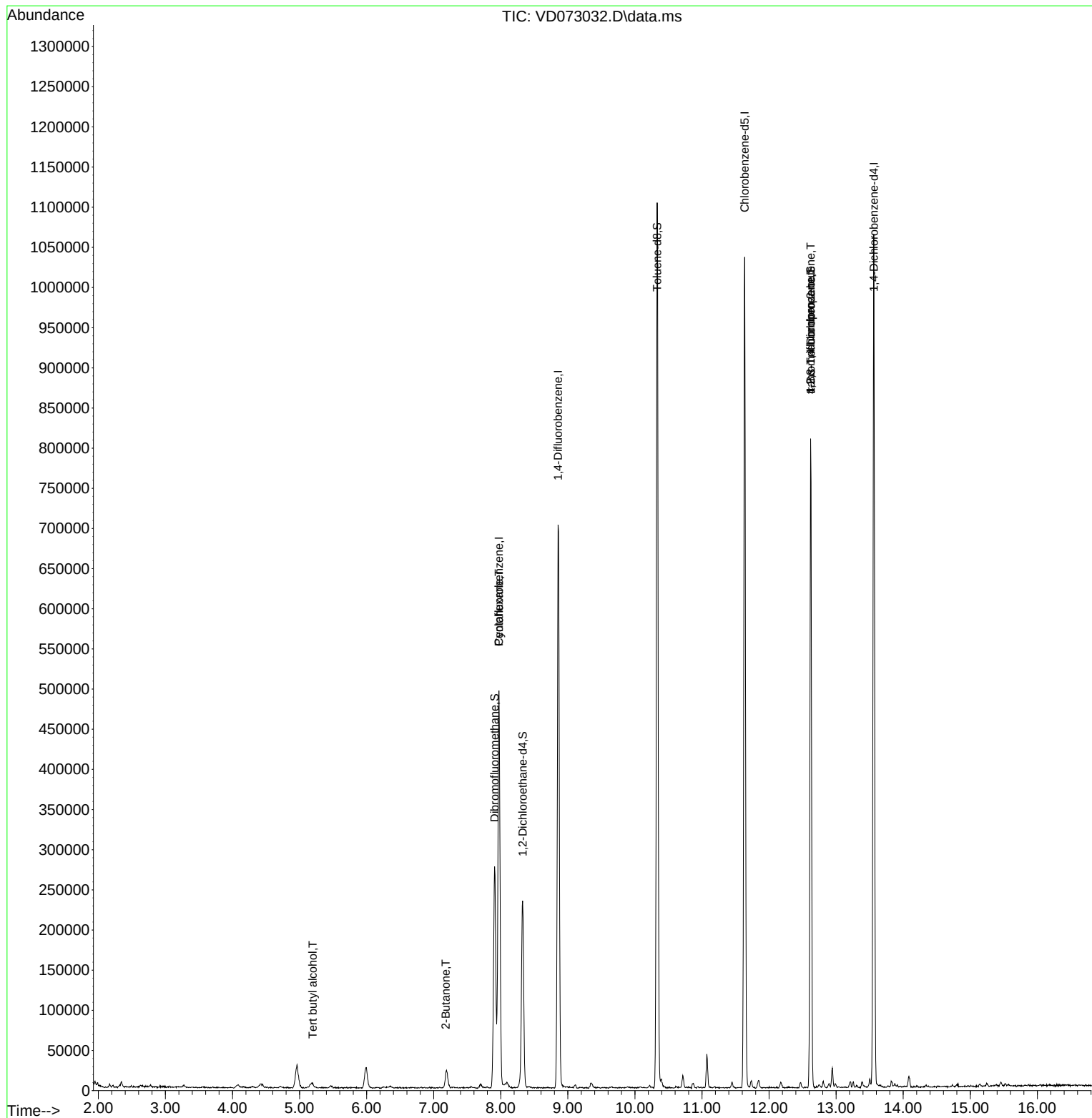
Internal Standards						
1) Pentafluorobenzene	7.973	168	341743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	602787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	597327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	268120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	184446	41.579	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.160%		
35) Dibromofluoromethane	7.908	113	199599	47.148	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.300%		
50) Toluene-d8	10.332	98	732278	48.221	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.440%		
62) 4-Bromofluorobenzene	12.620	95	261354	46.156	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.320%		
Target Compounds						
5) Bromomethane	2.785	94	1984	Below Cal	#	55
11) Tert butyl alcohol	5.197	59	6415	16.714	ug/l #	74
16) Acetone	4.162	43	1689	Below Cal		97
18) Methyl Acetate	4.732	43	76	Below Cal	#	55
20) Methylene Chloride	4.962	84	21258	Below Cal	#	80
25) 2-Butanone	7.179	43	1436	1.111	ug/l #	52
31) Cyclohexane	7.973	56	9756	1.258	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	133359	44.606	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	133359	102.576	ug/l #	7

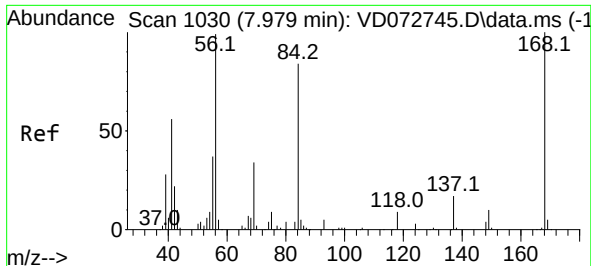
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

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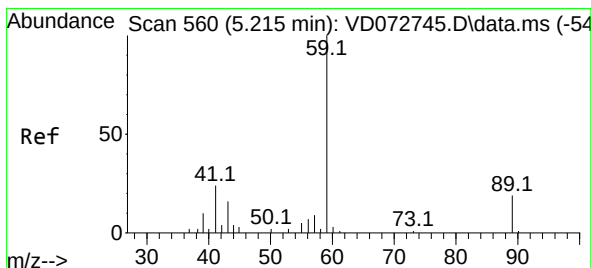
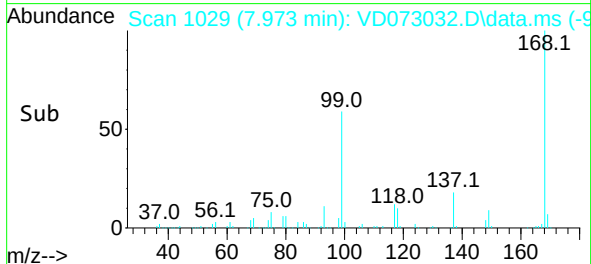
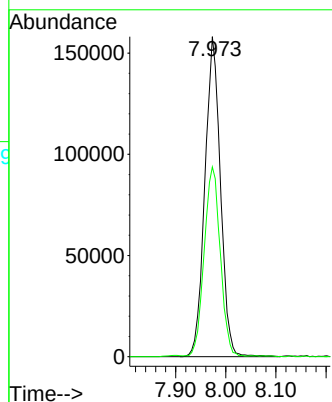
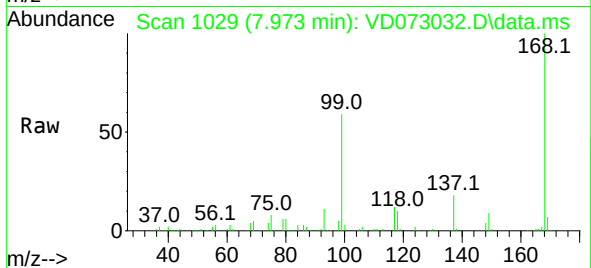




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073032.D
Acq: 16 May 2022 13:46

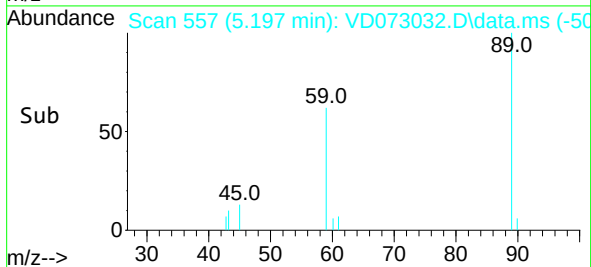
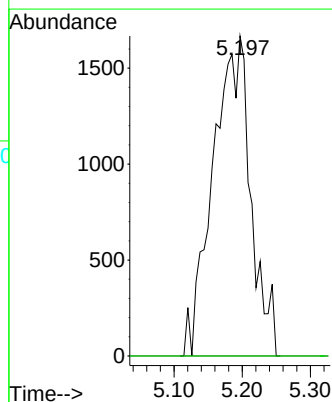
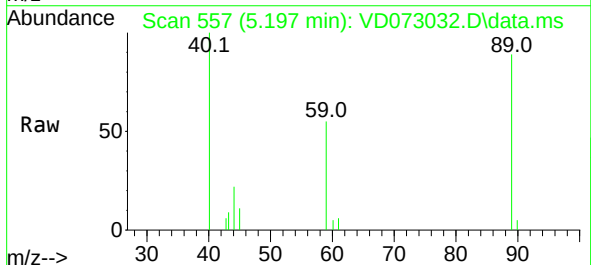
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBL01

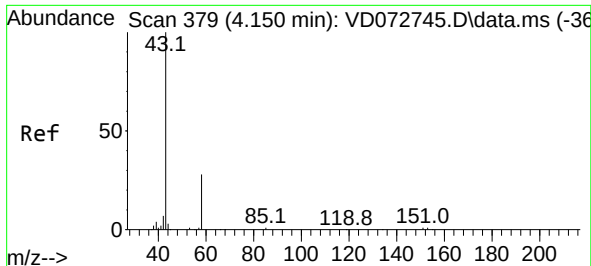
Tgt Ion:168 Resp: 341743
Ion Ratio Lower Upper
168 100
99 59.1 49.8 74.6



#11
Tert butyl alcohol
Concen: 16.714 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.018 min
Lab File: VD073032.D
Acq: 16 May 2022 13:46

Tgt Ion: 59 Resp: 6415
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

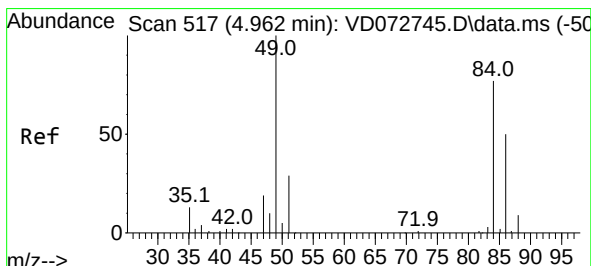
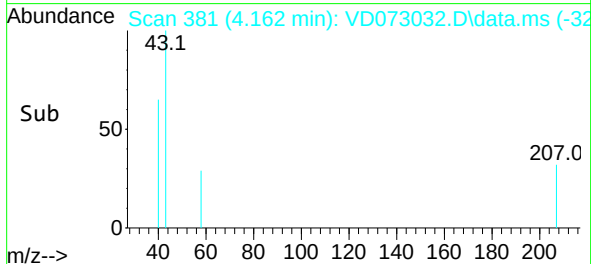
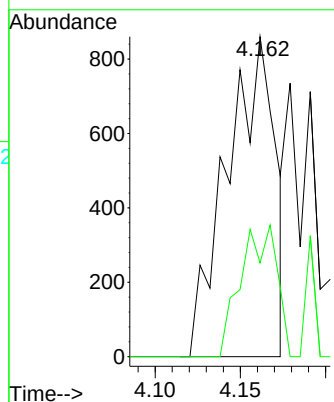
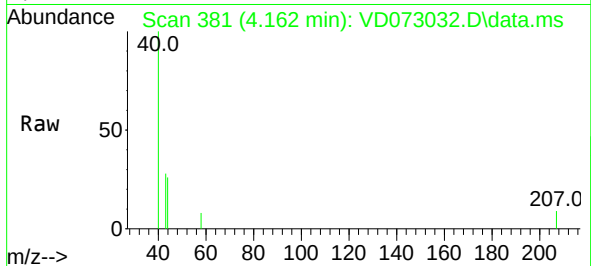




#16
Acetone
Concen: Below Cal
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD073032.D
Acq: 16 May 2022 13:46

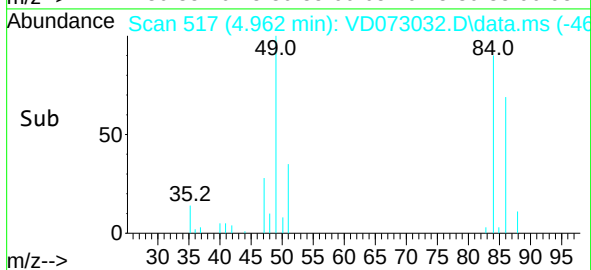
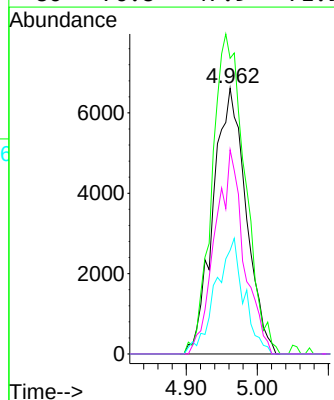
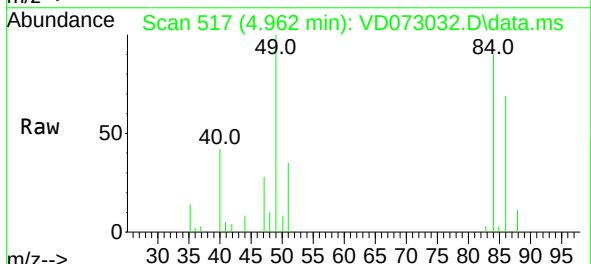
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBL01

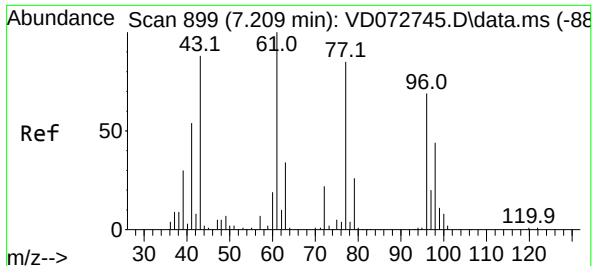
Tgt Ion: 43 Resp: 1689
Ion Ratio Lower Upper
43 100
58 29.3 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073032.D
Acq: 16 May 2022 13:46

Tgt Ion: 84 Resp: 21258
Ion Ratio Lower Upper
84 100
49 111.3 112.8 169.2#
51 39.0 32.6 48.8
86 76.8 47.9 71.9#





#25

2-Butanone

Concen: 1.111 ug/l

RT: 7.179 min Scan# 899

Delta R.T. -0.030 min

Lab File: VD073032.D

Acq: 16 May 2022 13:46

Instrument :

MSVOA_D

ClientSampleId :

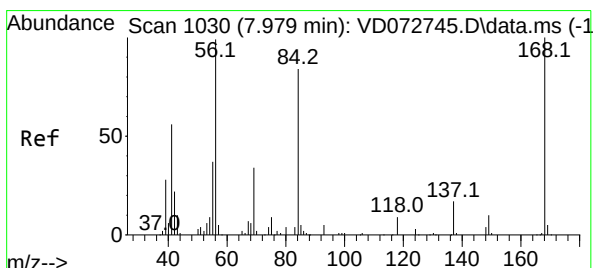
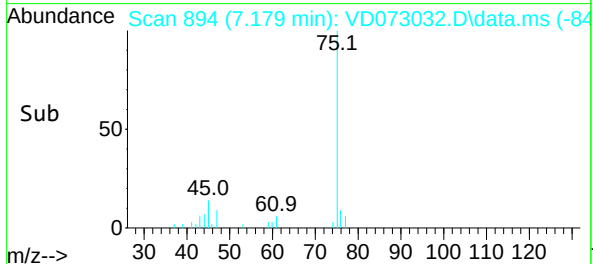
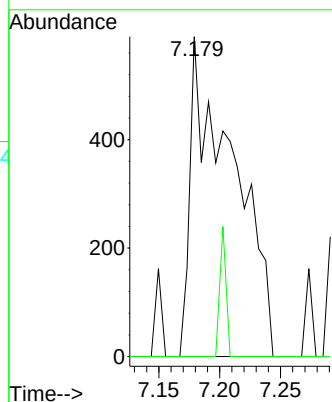
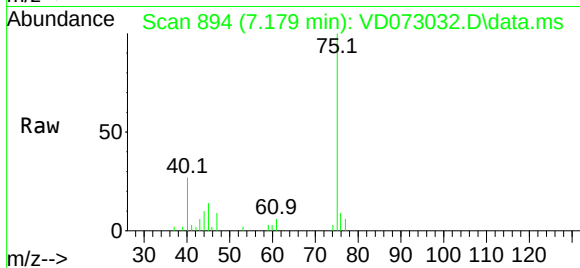
VD0516SBL01

Tgt Ion: 43 Resp: 1436

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.258 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073032.D

Acq: 16 May 2022 13:46

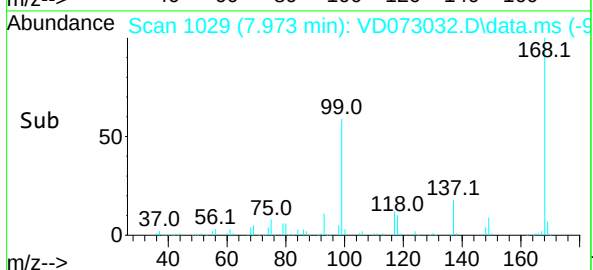
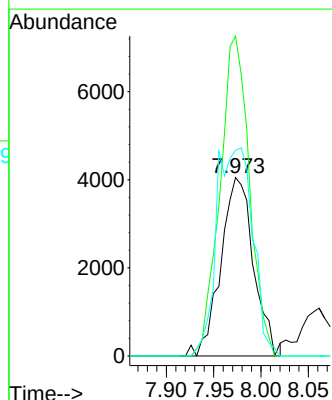
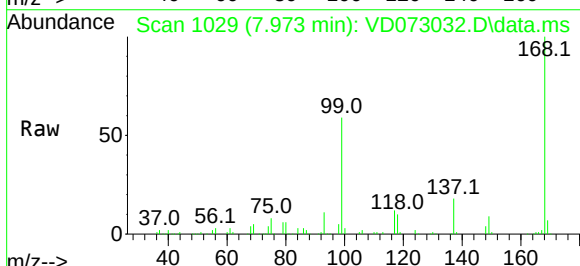
Tgt Ion: 56 Resp: 9756

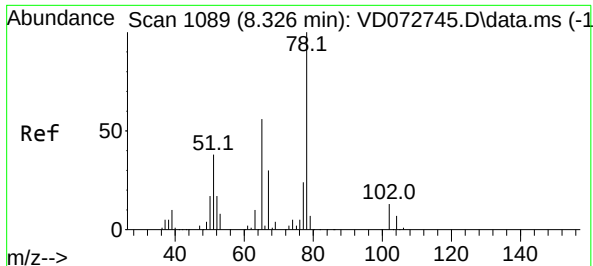
Ion Ratio Lower Upper

56 100

69 179.3 25.4 38.2#

84 115.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 41.579 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD073032.D

Acq: 16 May 2022 13:46

Instrument :

MSVOA_D

ClientSampleId :

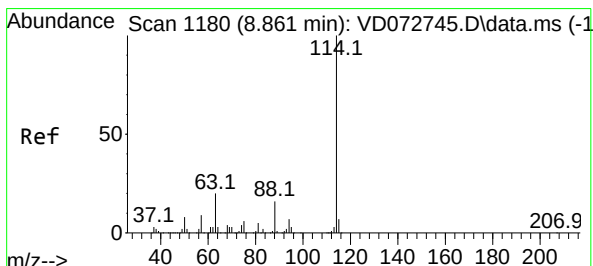
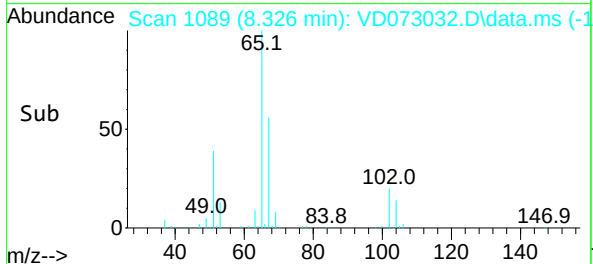
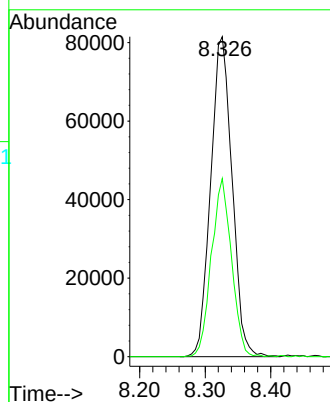
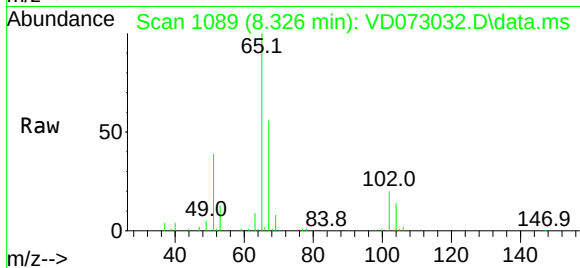
VD0516SBL01

Tgt Ion: 65 Resp: 184446

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD073032.D

Acq: 16 May 2022 13:46

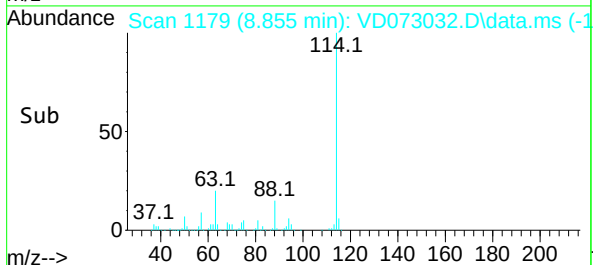
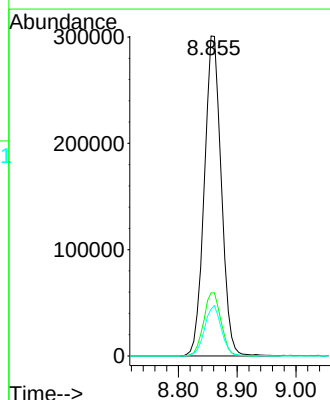
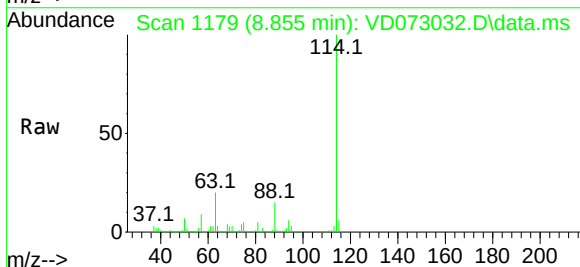
Tgt Ion: 114 Resp: 602787

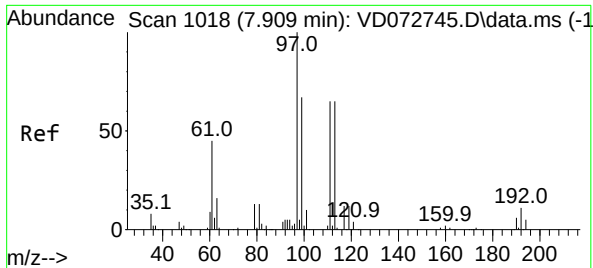
Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 14.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.148 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD073032.D

Acq: 16 May 2022 13:46

Instrument :

MSVOA_D

ClientSampleId :

VD0516SBL01

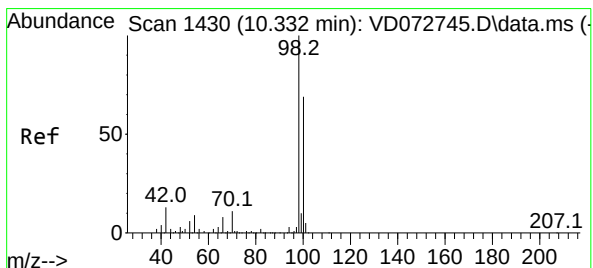
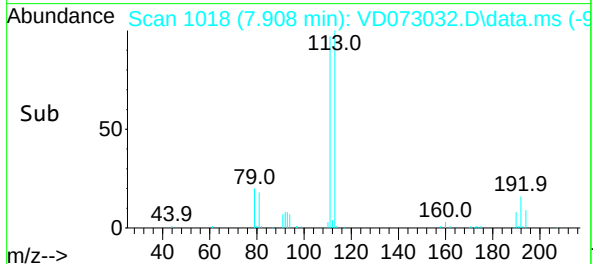
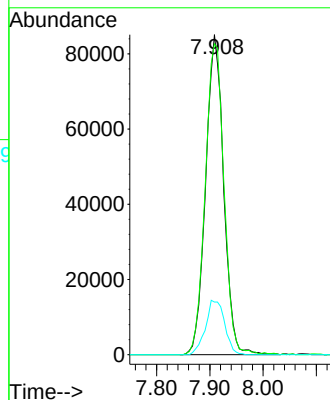
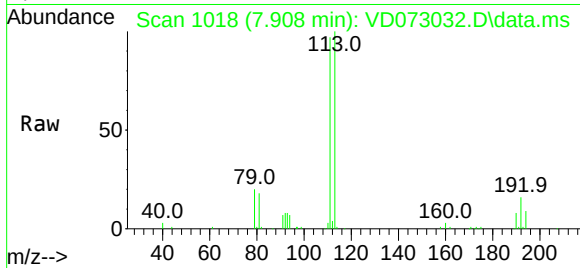
Tgt Ion:113 Resp: 199599

Ion Ratio Lower Upper

113 100

111 101.6 83.8 125.6

192 18.1 14.6 21.8



#50

Toluene-d8

Concen: 48.221 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073032.D

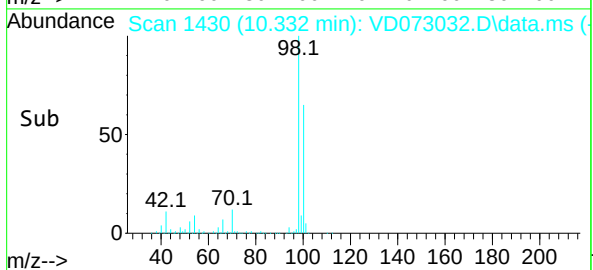
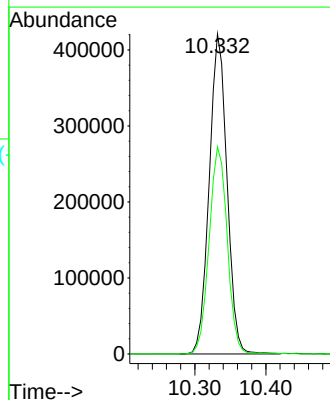
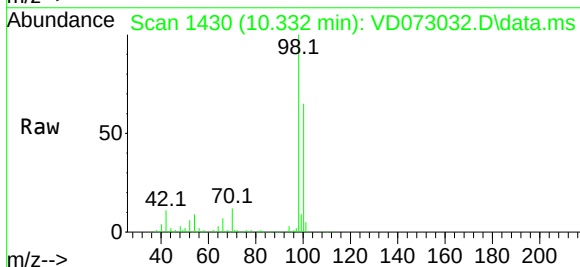
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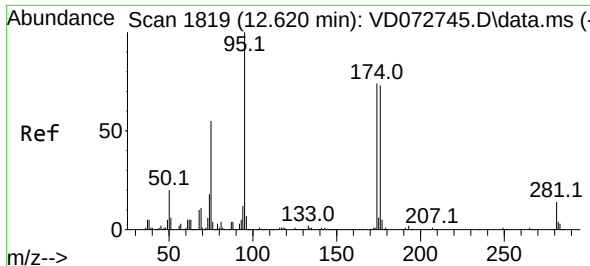
Tgt Ion: 98 Resp: 732278

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6

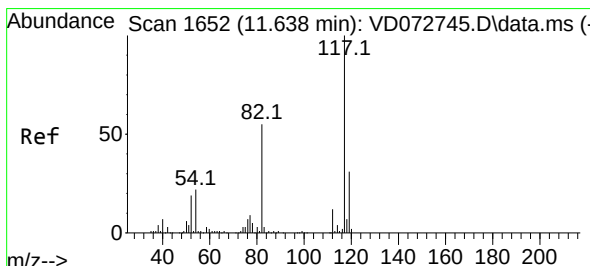
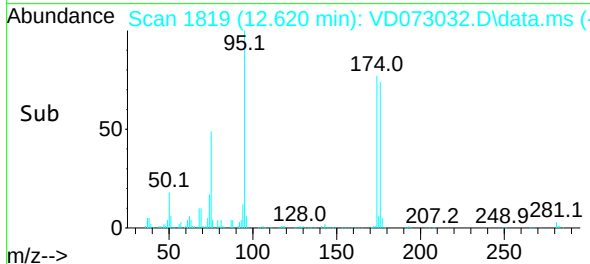
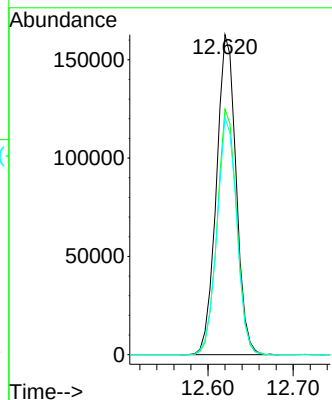
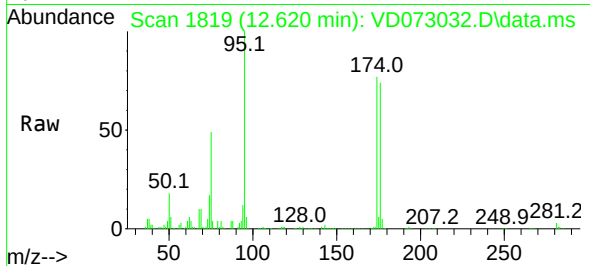




#62
4-Bromofluorobenzene
Concen: 46.156 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073032.D
Acq: 16 May 2022 13:46

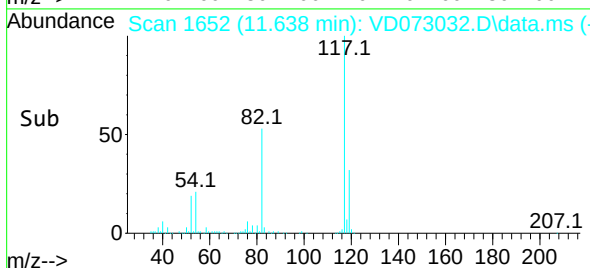
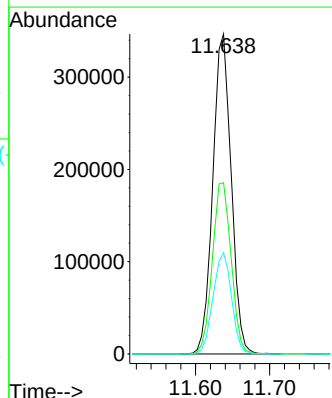
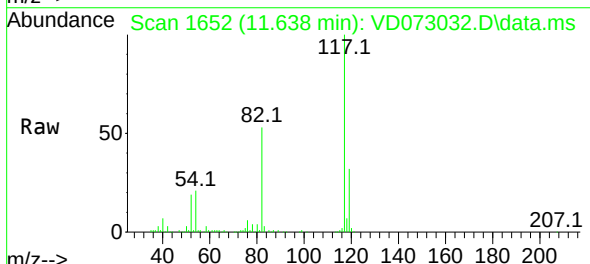
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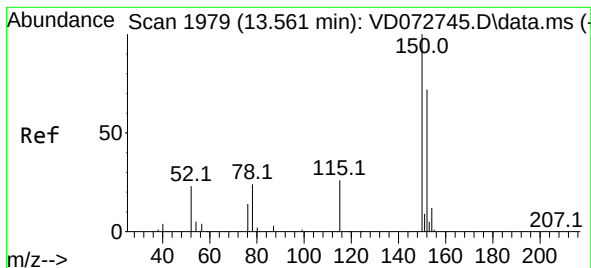
Tgt Ion: 95 Resp: 261354
Ion Ratio Lower Upper
95 100
174 76.6 0.0 152.8
176 74.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073032.D
Acq: 16 May 2022 13:46

Tgt Ion: 117 Resp: 597327
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 31.7 26.6 40.0

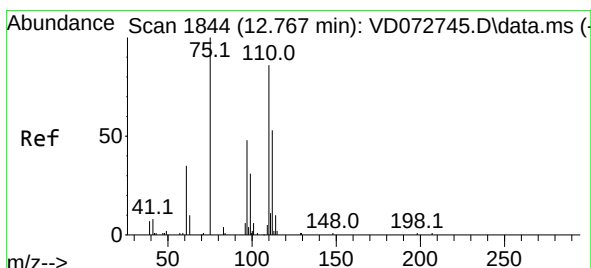
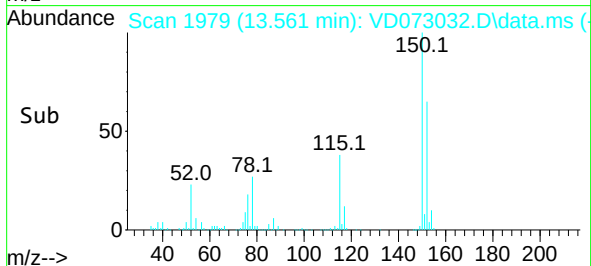
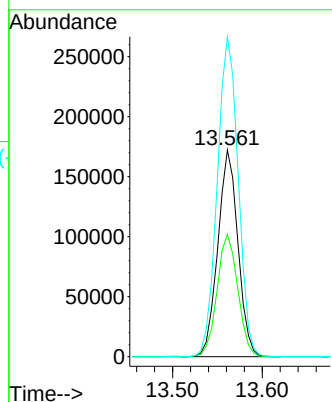
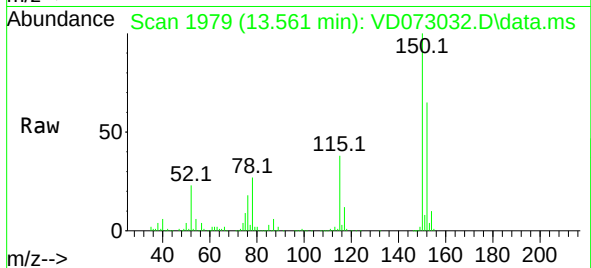




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073032.D
Acq: 16 May 2022 13:46

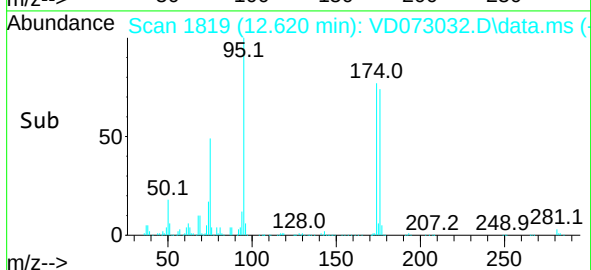
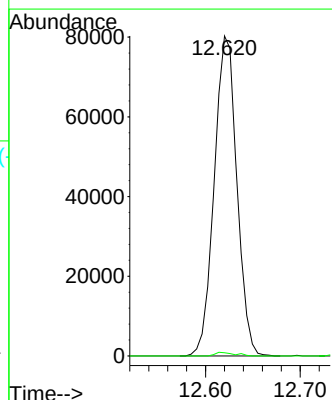
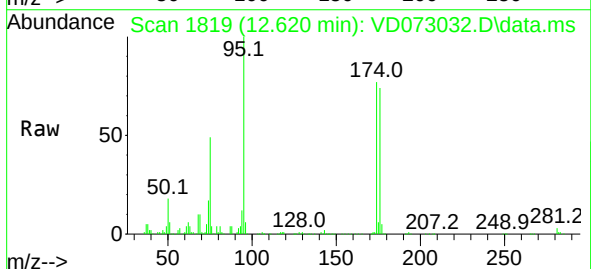
Instrument :
MSVOA_D
ClientSampleId :
VD0516SBL01

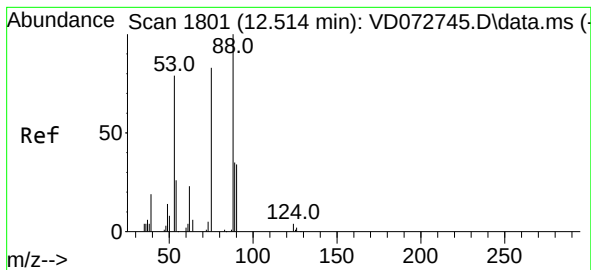
Tgt Ion:152 Resp: 268120
Ion Ratio Lower Upper
152 100
115 60.9 31.3 93.8
150 160.9 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.606 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073032.D
Acq: 16 May 2022 13:46

Tgt Ion: 75 Resp: 133359
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.576 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073032.D
 Acq: 16 May 2022 13:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0516SBL01

Tgt Ion: 75 Resp: 133359
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.0 33.9 50.9#

