

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070166.D
 Acq On : 19 Aug 2021 14:23
 Operator : VA/SY
 Sample : M3418-04RE
 Misc : 9.22G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 20 05:47:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

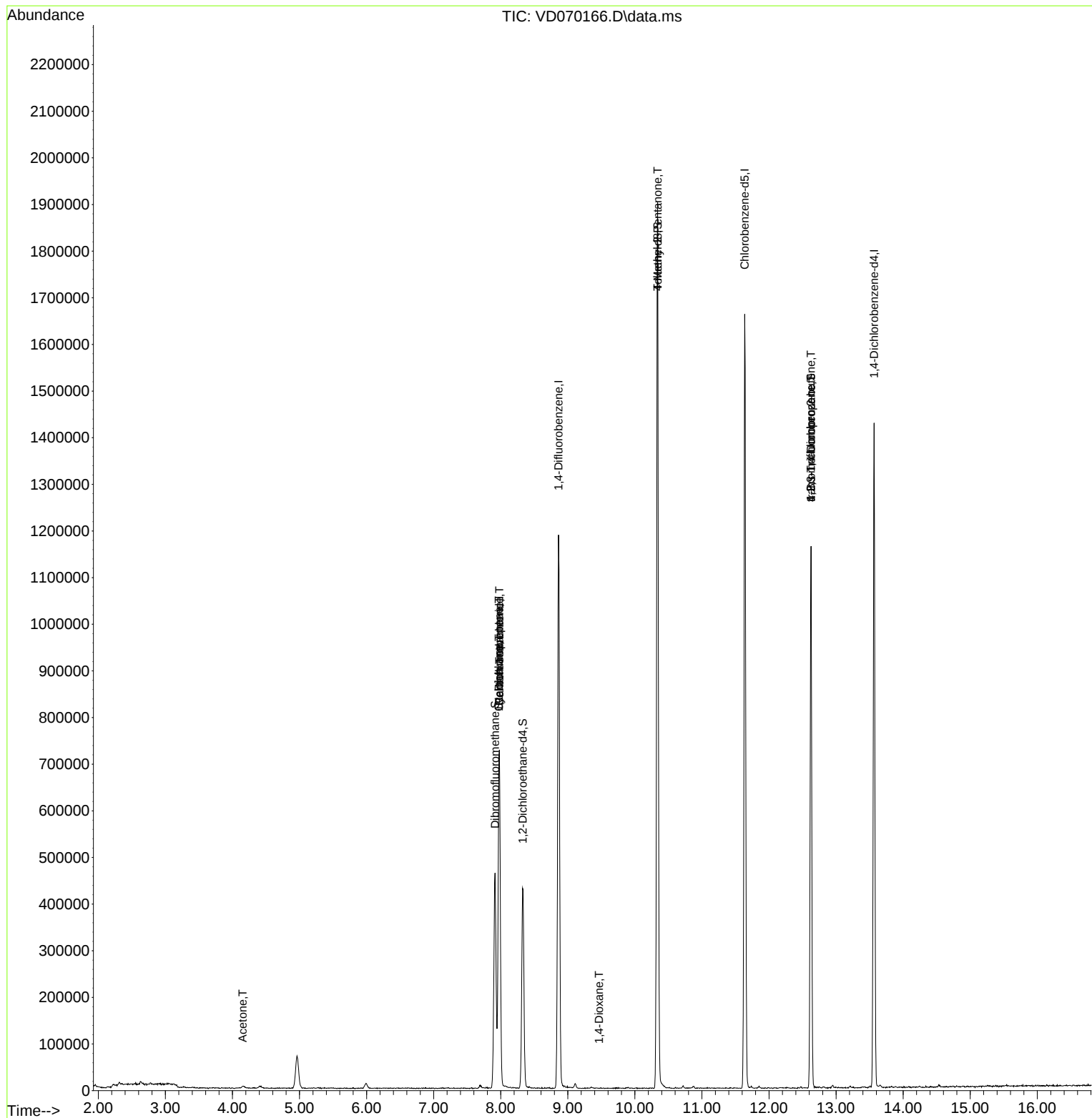
Internal Standards						
1) Pentafluorobenzene	7.979	168	515855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1014707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	964093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	372477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	339294	55.922	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.840%	
35) Dibromofluoromethane	7.914	113	336755	51.369	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.740%	
50) Toluene-d8	10.338	98	1295706	50.816	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.640%	
62) 4-Bromofluorobenzene	12.626	95	393566	46.862	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.720%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	1115	Below Cal		88
3) Chloromethane	2.209	50	1330	Below Cal		97
5) Bromomethane	2.773	94	1667	Below Cal		99
16) Acetone	4.150	43	9611	8.599 ug/l	#	82
20) Methylene Chloride	4.962	84	55862	Below Cal		94
31) Cyclohexane	7.973	56	13336	1.110 ug/l	#	1
36) 1,1-Dichloropropene	7.973	75	47240	4.328 ug/l	#	49
38) Carbon Tetrachloride	7.979	117	55945	5.645 ug/l	#	15
49) 1,4-Dioxane	9.467	88	70	1.610 ug/l	#	23
51) 4-Methyl-2-Pentanone	10.338	43	5535	1.438 ug/l	#	1
76) 1,2,3-Trichloropropane	12.626	75	191210	50.619 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	191210	131.389 ug/l	#	18

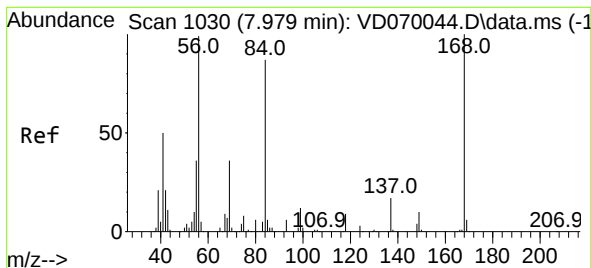
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070166.D

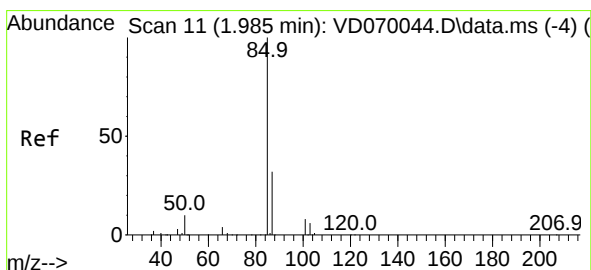
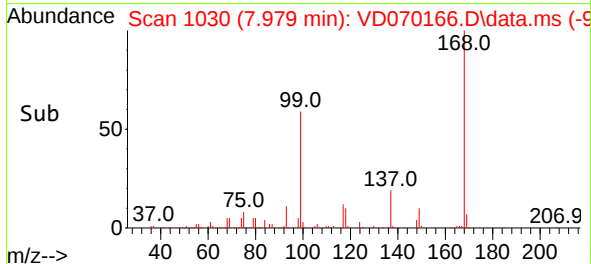
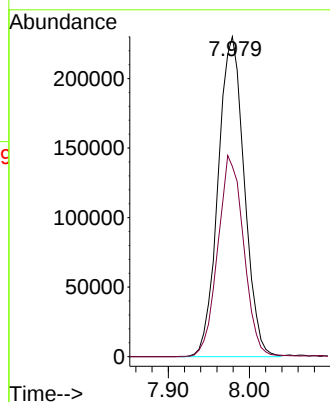
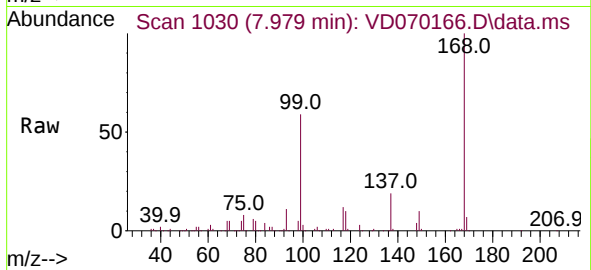
Acq: 19 Aug 2021 14:23

Tgt Ion: 168 Resp: 515855

Ion Ratio Lower Upper

168 100

99 59.4 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.985 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD070166.D

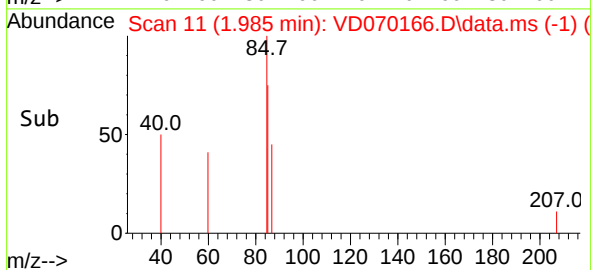
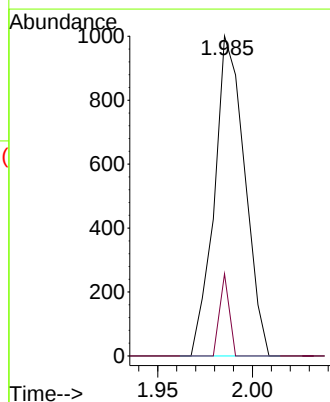
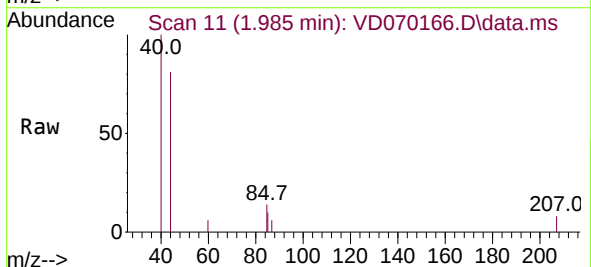
Acq: 19 Aug 2021 14:23

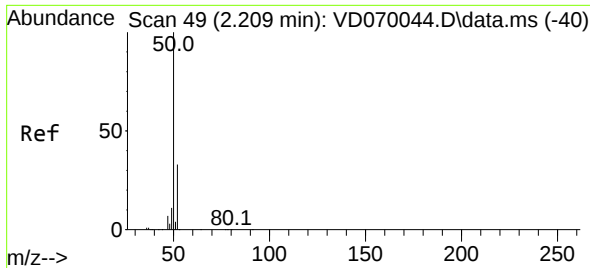
Tgt Ion: 85 Resp: 1115

Ion Ratio Lower Upper

85 100

87 25.7 16.2 48.6

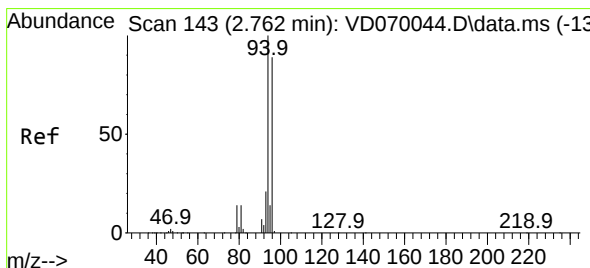
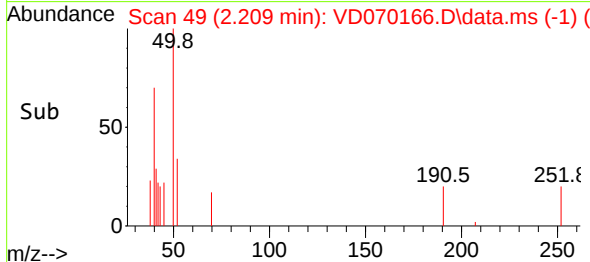
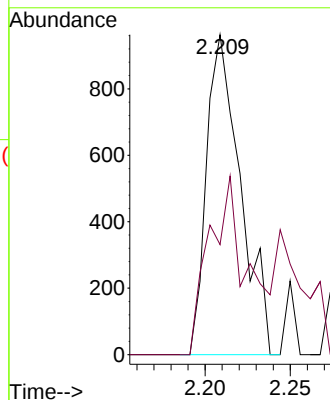
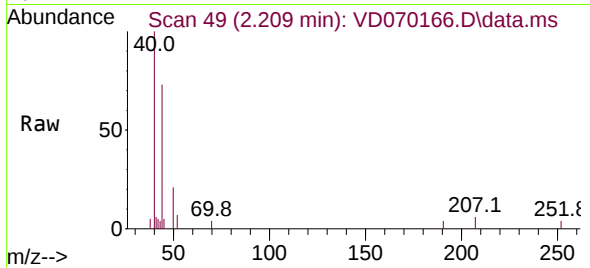




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070166.D
Acq: 19 Aug 2021 14:23

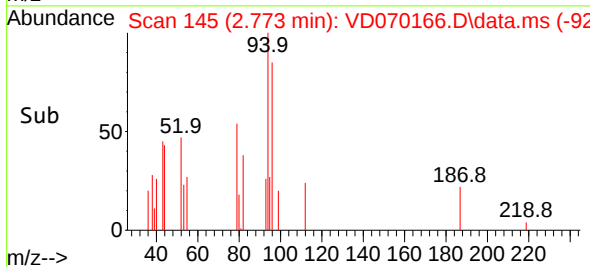
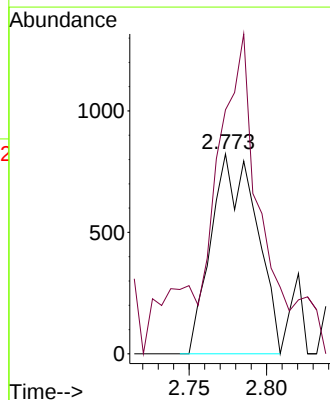
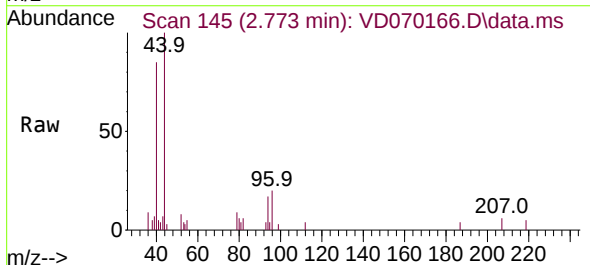
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 50 Resp: 1330
Ion Ratio Lower Upper
50 100
52 34.4 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070166.D
Acq: 19 Aug 2021 14:23

Tgt Ion: 94 Resp: 1667
Ion Ratio Lower Upper
94 100
96 89.9 70.9 106.3





#16

Acetone

Concen: 8.599 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.006 min

Lab File: VD070166.D

Acq: 19 Aug 2021 14:23

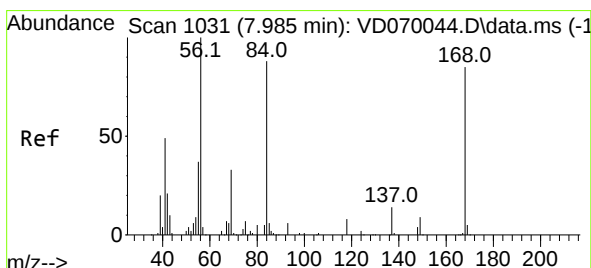
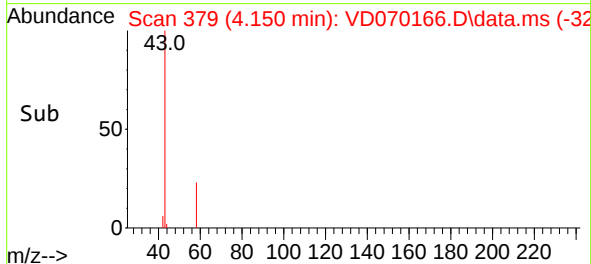
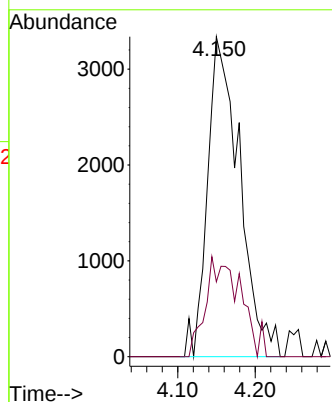
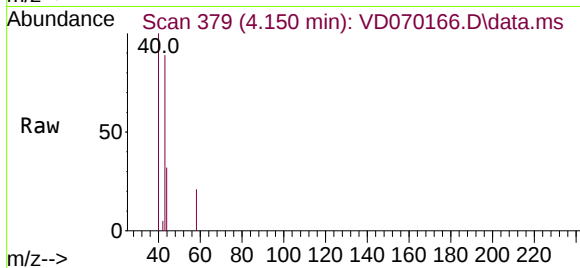
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 9611

Ion Ratio Lower Upper

43 100

58 23.4 26.8 40.2#



#31

Cyclohexane

Concen: 1.110 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070166.D

Acq: 19 Aug 2021 14:23

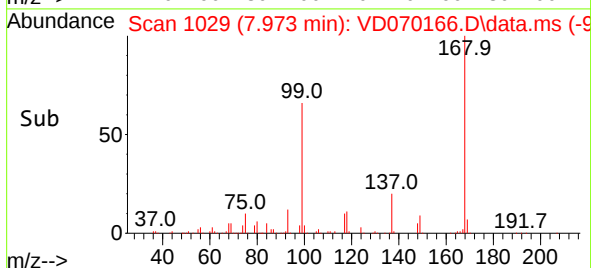
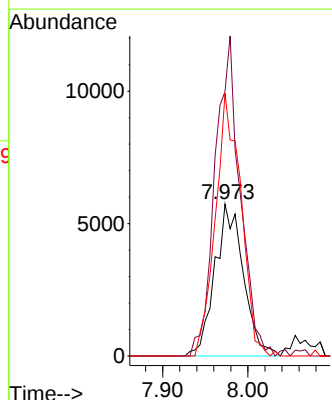
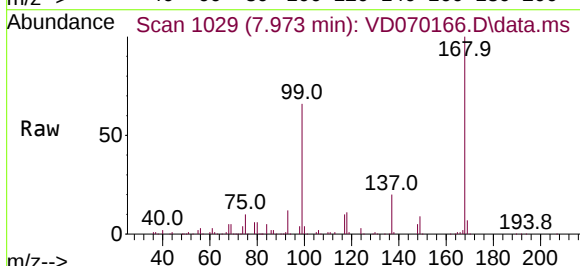
Tgt Ion: 56 Resp: 13336

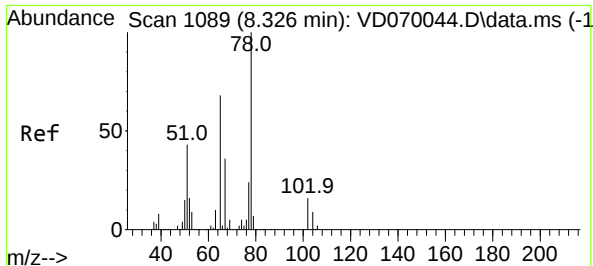
Ion Ratio Lower Upper

56 100

69 174.1 26.7 40.1#

84 172.9 70.4 105.6#



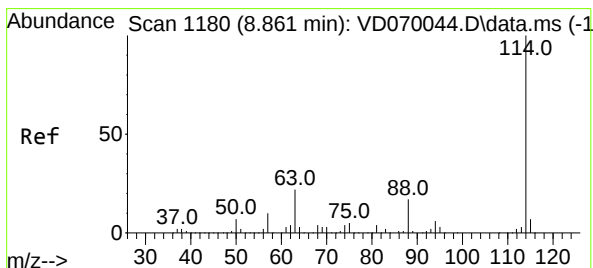
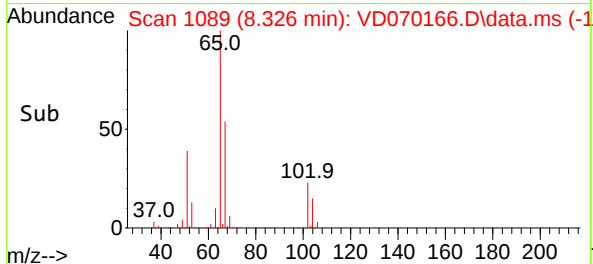
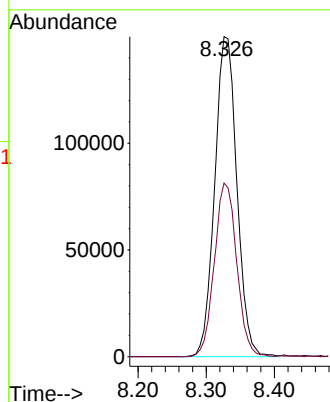
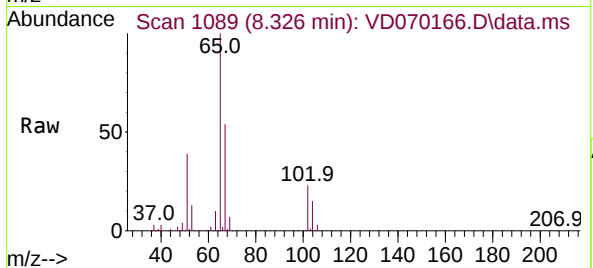


#33

1,2-Dichloroethane-d4
Concen: 55.922 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070166.D
Acq: 19 Aug 2021 14:23

Instrument :
MSVOA_D
ClientSampled :

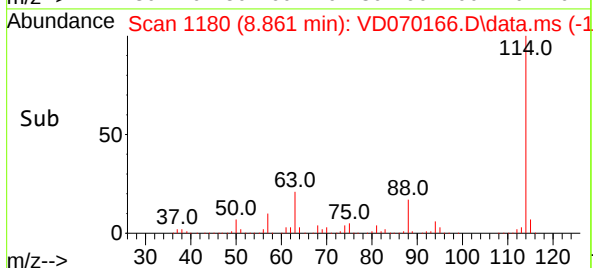
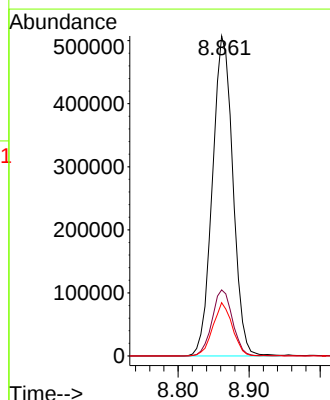
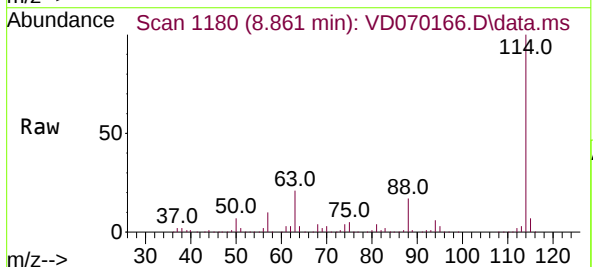
Tgt Ion: 65 Resp: 339294
Ion Ratio Lower Upper
65 100
67 54.7 0.0 107.8

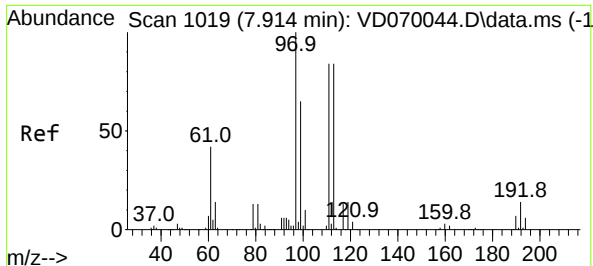


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070166.D
Acq: 19 Aug 2021 14:23

Tgt Ion: 114 Resp: 1014707
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.6
88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.369 ug/l

RT: 7.914 min Scan# 1019

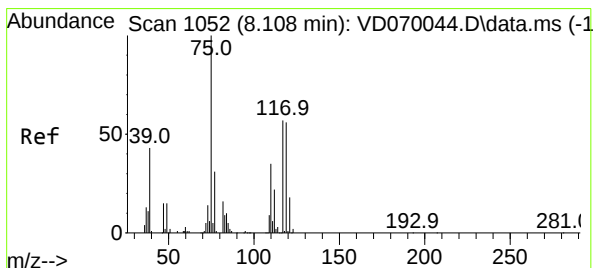
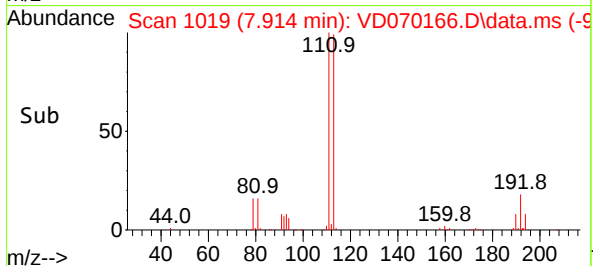
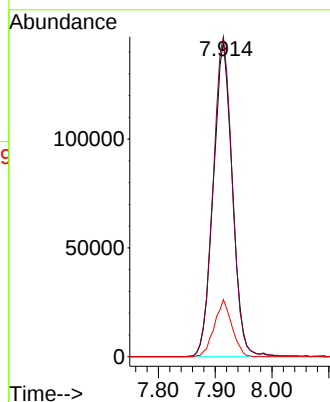
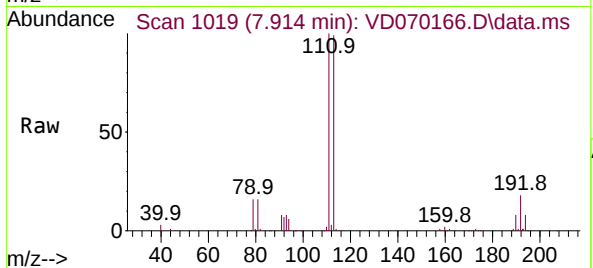
Delta R.T. 0.000 min

Lab File: VD070166.D

Acq: 19 Aug 2021 14:23

Tgt Ion:	113	Resp:	336755
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	16.8	13.2	19.8

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.328 ug/l

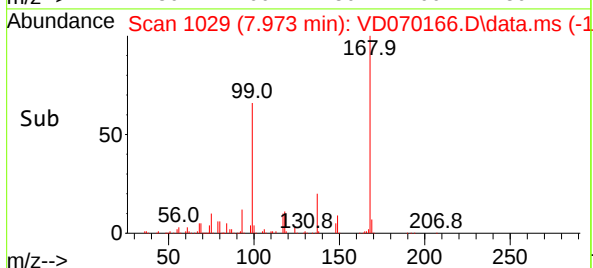
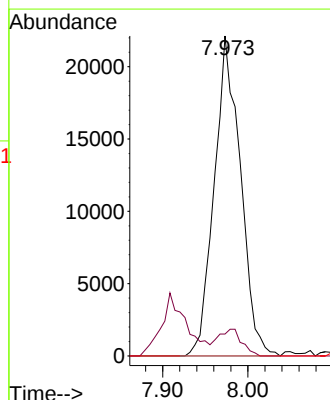
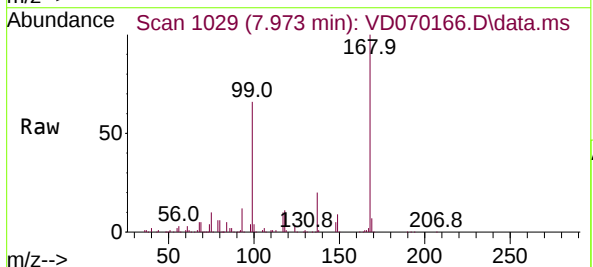
RT: 7.973 min Scan# 1029

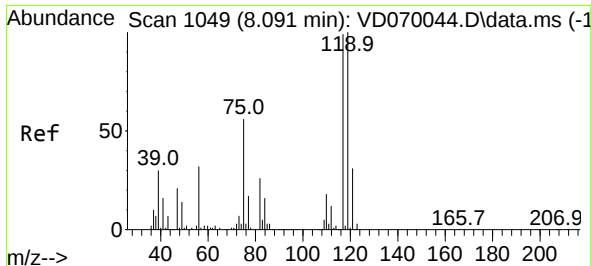
Delta R.T. -0.135 min

Lab File: VD070166.D

Acq: 19 Aug 2021 14:23

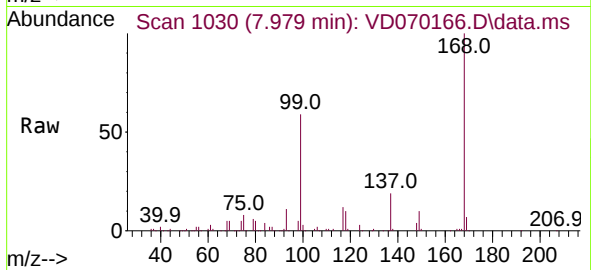
Tgt Ion:	75	Resp:	47240
Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.9	50.7#
77	0.0	25.2	37.8#



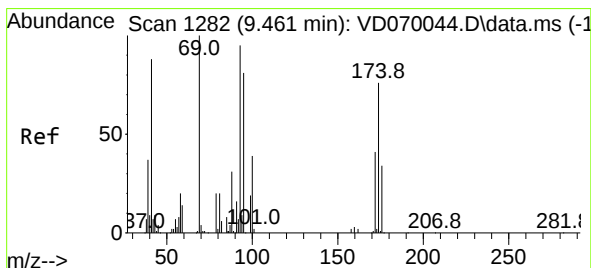
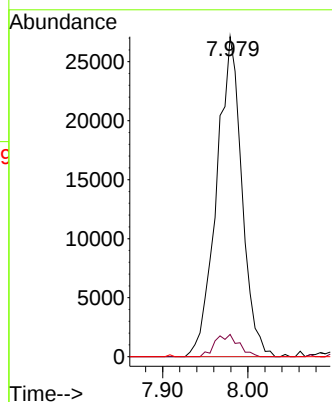
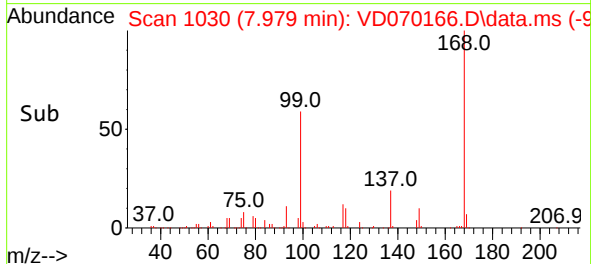


#38
Carbon Tetrachloride
Concen: 5.645 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070166.D
Acq: 19 Aug 2021 14:23

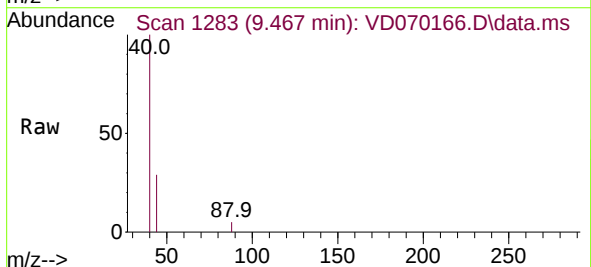
Instrument :
MSVOA_D
ClientSampled :



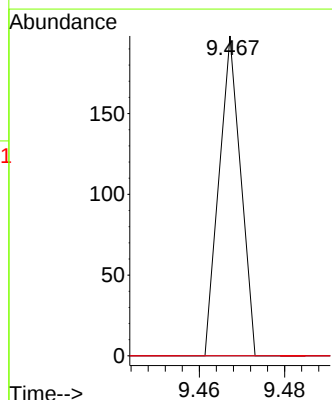
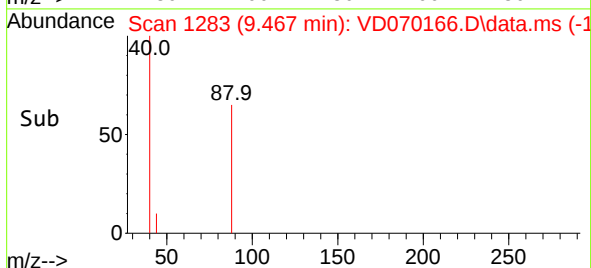
Tgt Ion:117 Resp: 55945
Ion Ratio Lower Upper
117 100
119 7.0 81.0 121.6#
121 0.0 25.0 37.6#

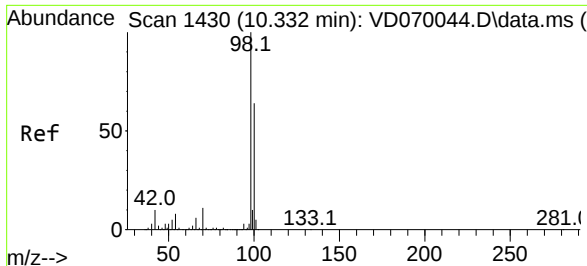


#49
1,4-Dioxane
Concen: 1.610 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.006 min
Lab File: VD070166.D
Acq: 19 Aug 2021 14:23



Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 0.0 57.4 86.2#

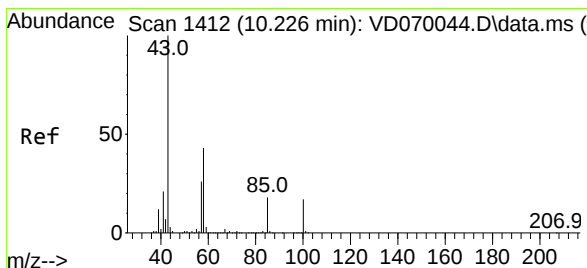
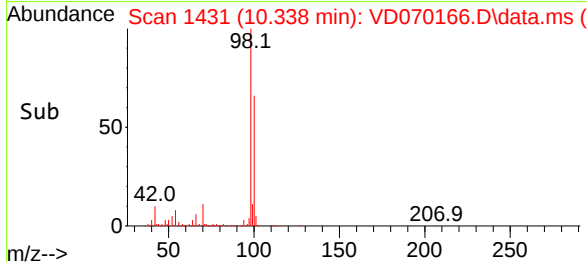
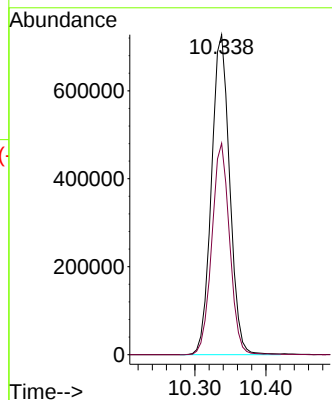
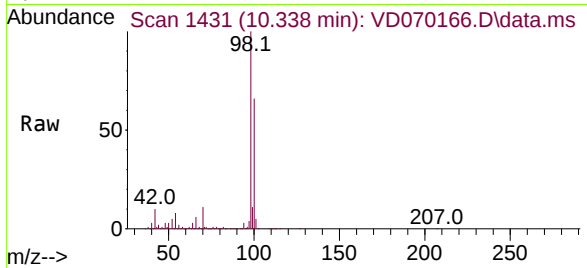




#50
Toluene-d8
Concen: 50.816 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070166.D
Acq: 19 Aug 2021 14:23

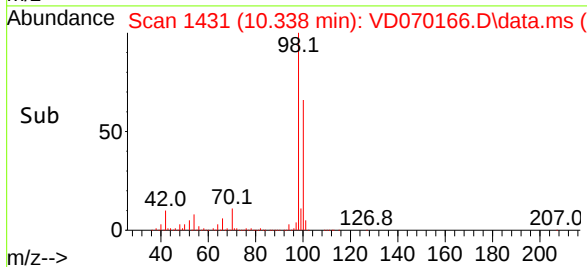
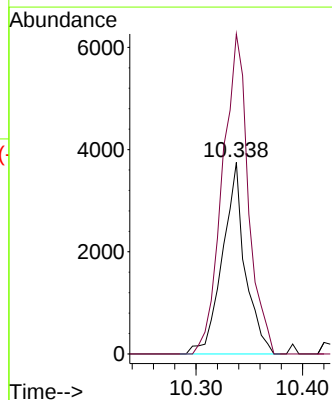
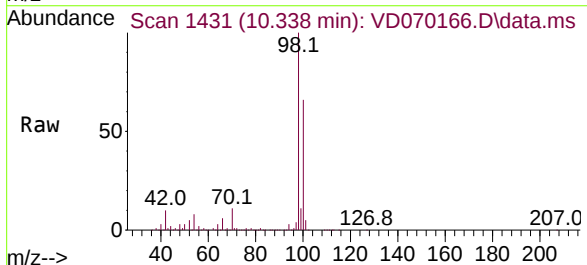
Instrument :
MSVOA_D
ClientSampled :

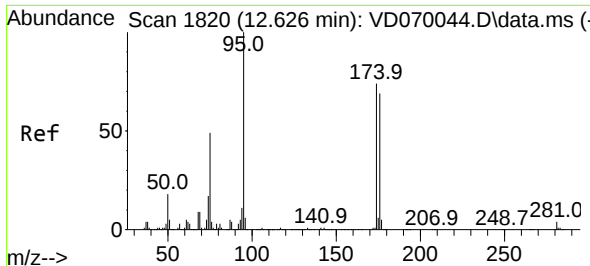
Tgt Ion: 98 Resp: 1295706
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.438 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070166.D
Acq: 19 Aug 2021 14:23

Tgt Ion: 43 Resp: 5535
Ion Ratio Lower Upper
43 100
58 191.5 33.9 50.9#

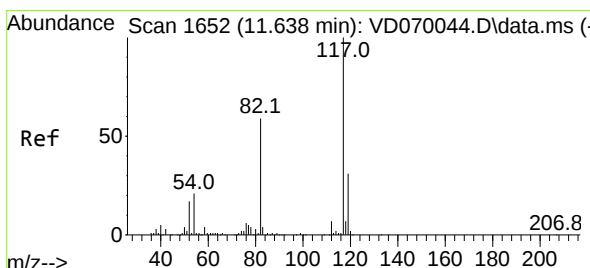
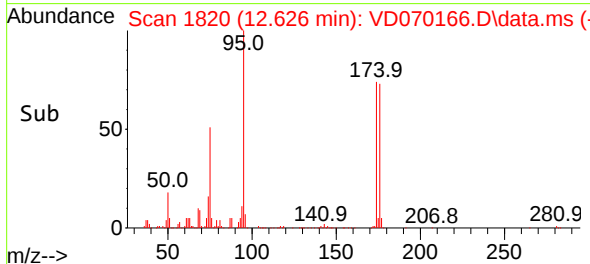
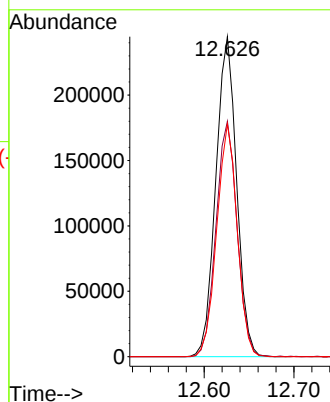
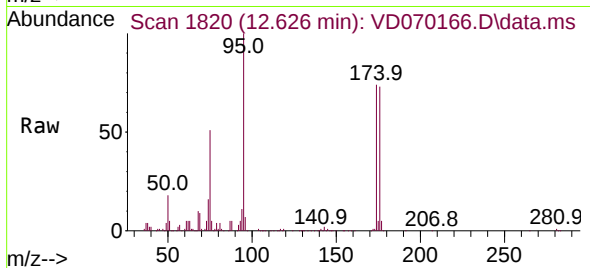




#62
4-Bromofluorobenzene
Concen: 46.862 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070166.D
Acq: 19 Aug 2021 14:23

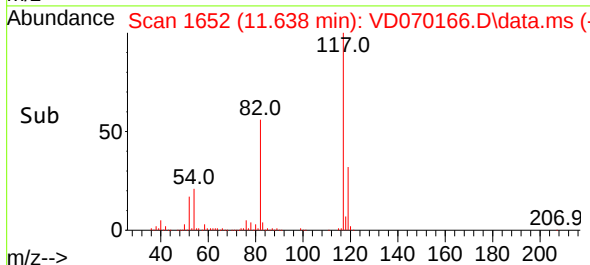
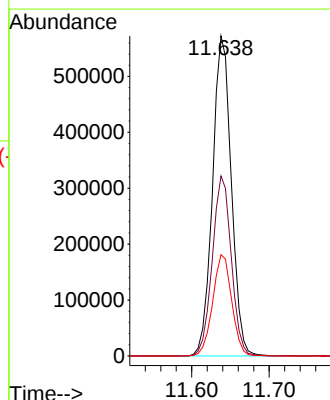
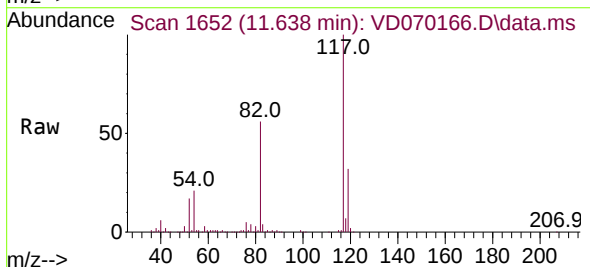
Instrument :
MSVOA_D
ClientSampleId :

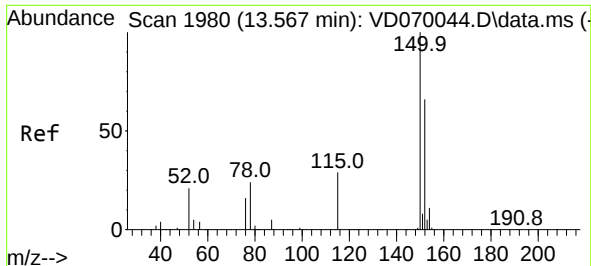
Tgt Ion: 95 Resp: 393566
Ion Ratio Lower Upper
95 100
174 74.5 0.0 141.6
176 71.6 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070166.D
Acq: 19 Aug 2021 14:23

Tgt Ion: 117 Resp: 964093
Ion Ratio Lower Upper
117 100
82 56.3 47.5 71.3
119 31.6 25.1 37.7

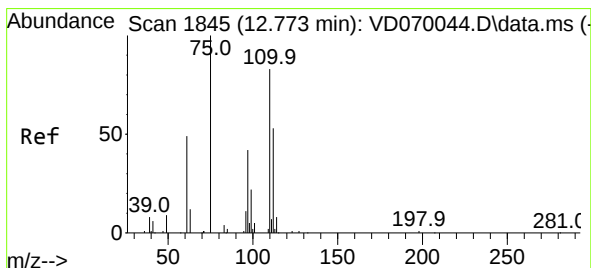
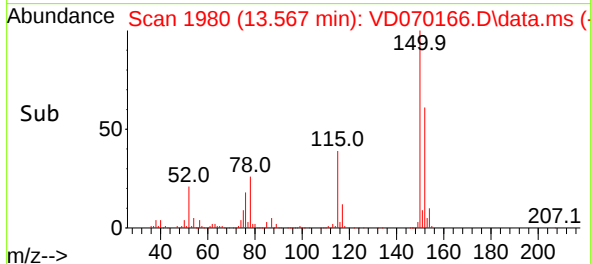
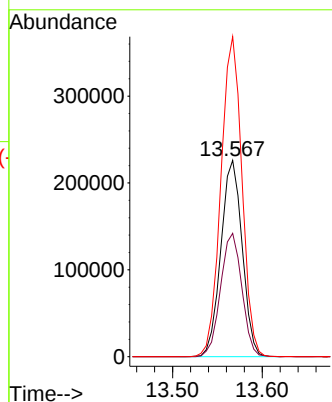
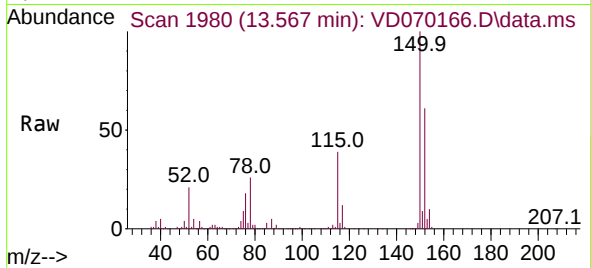




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070166.D
 Acq: 19 Aug 2021 14:23

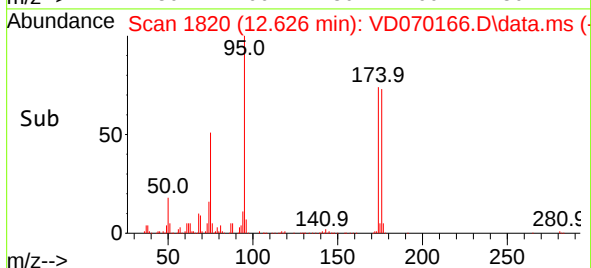
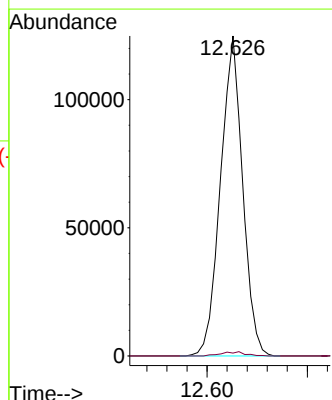
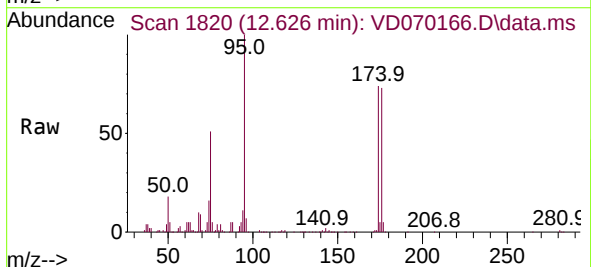
Instrument :
 MSVOA_D
 ClientSampleId :

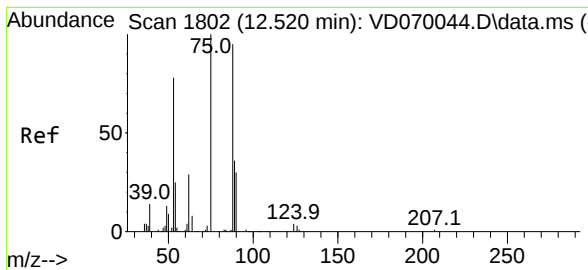
Tgt Ion:152 Resp: 372477
 Ion Ratio Lower Upper
 152 100
 115 62.7 31.2 93.6
 150 160.9 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 50.619 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070166.D
 Acq: 19 Aug 2021 14:23

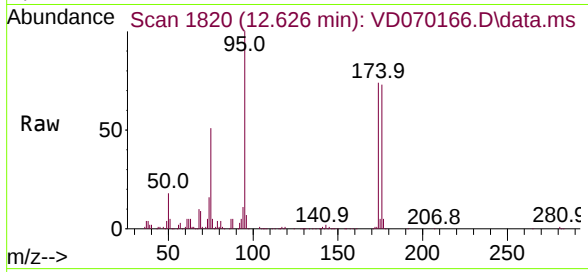
Tgt Ion: 75 Resp: 191210
 Ion Ratio Lower Upper
 75 100
 77 1.4 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.389 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070166.D
 Acq: 19 Aug 2021 14:23

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	64.5	96.7#
89	0.0	33.7	50.5#

