

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069785.D
 Acq On : 21 Jul 2021 12:26
 Operator : VA/SY
 Sample : M3096-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 22 03:39:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

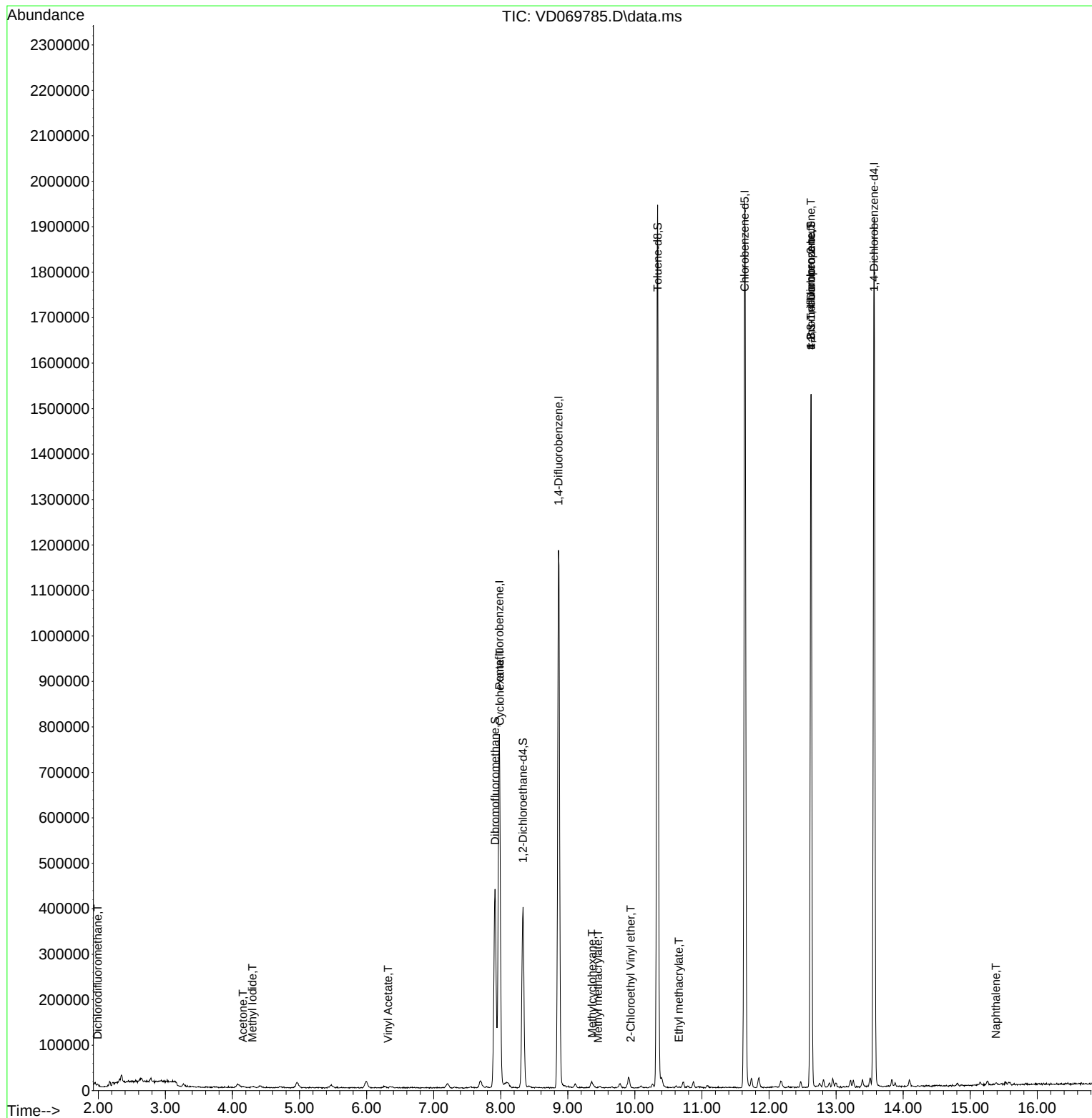
Internal Standards						
1) Pentafluorobenzene	7.979	168	537410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1009245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1146315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	491669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	307978	45.897	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.800%
35) Dibromofluoromethane	7.914	113	321537	47.488	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.980%
50) Toluene-d8	10.338	98	1320859	50.214	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.420%
62) 4-Bromofluorobenzene	12.626	95	533860	60.854	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	121.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	3422	1.225	ug/l	77
5) Bromomethane	2.773	94	4795	Below Cal	#	71
10) Methyl Iodide	4.297	142	3856	3.017	ug/l #	62
16) Acetone	4.156	43	3514	15.386	ug/l	88
18) Methyl Acetate	4.720	43	852	Below Cal	#	65
20) Methylene Chloride	4.962	84	7855	Below Cal		89
23) Vinyl Acetate	6.320	43	1092	15.522	ug/l #	72
31) Cyclohexane	7.985	56	17123	1.892	ug/l #	14
39) Methylcyclohexane	9.361	83	4912	2.338	ug/l #	83
48) Methyl methacrylate	9.450	41	277	1.175	ug/l #	74
56) Ethyl methacrylate	10.655	69	773	1.773	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.938	63	222	9.430	ug/l	98
76) 1,2,3-Trichloropropane	12.626	75	264384	55.352	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	264384	148.756	ug/l #	14
95) Naphthalene	15.385	128	4642	2.490	ug/l #	93

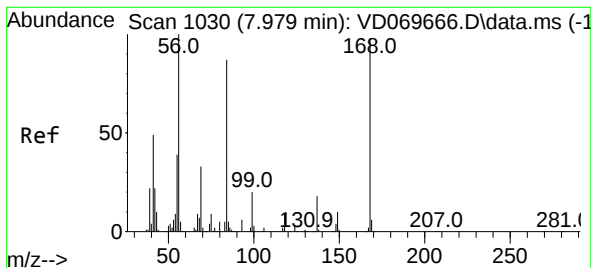
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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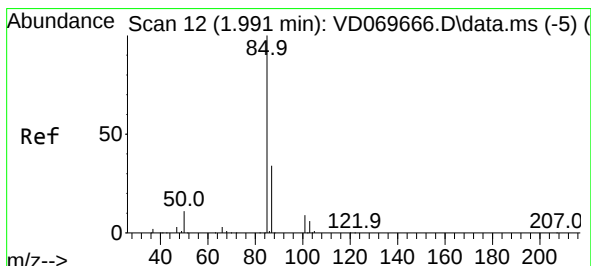
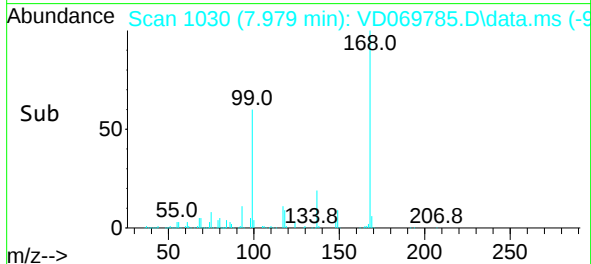
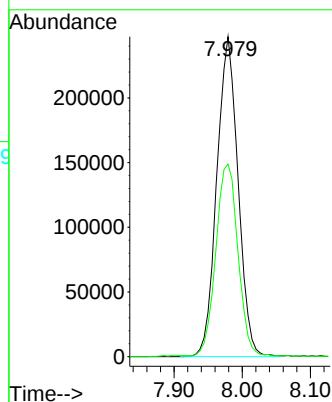
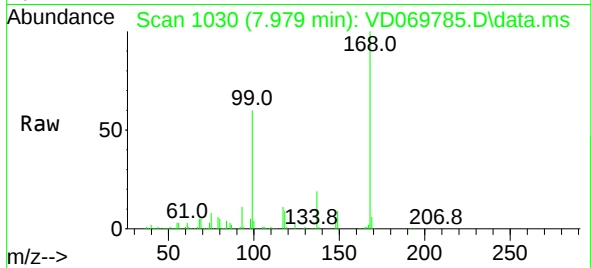




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

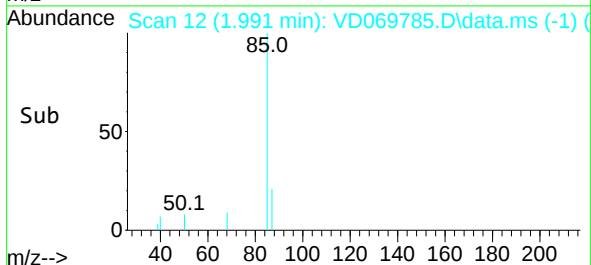
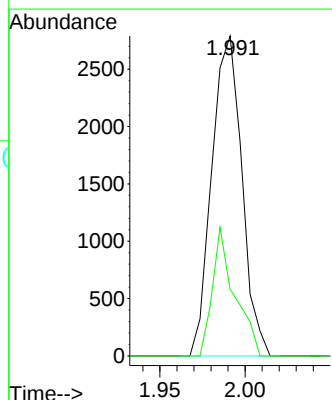
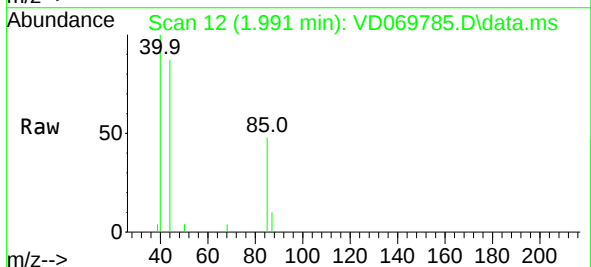
Instrument :
MSVOA_D
ClientSampled :

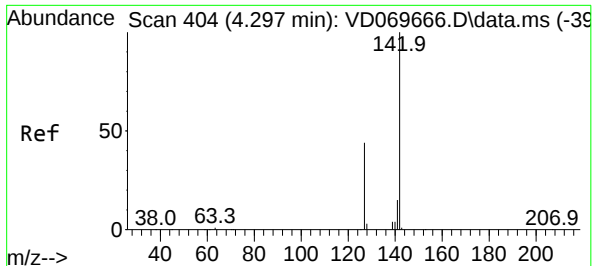
Tgt Ion:168 Resp: 537410
Ion Ratio Lower Upper
168 100
99 60.0 51.8 77.6



#2
Dichlorodifluoromethane
Concen: 1.225 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

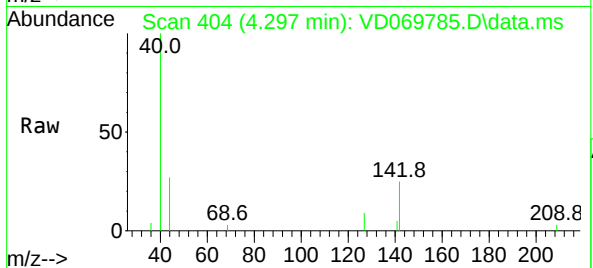
Tgt Ion: 85 Resp: 3422
Ion Ratio Lower Upper
85 100
87 20.9 17.0 51.0



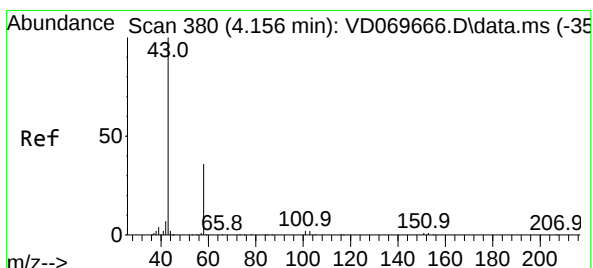
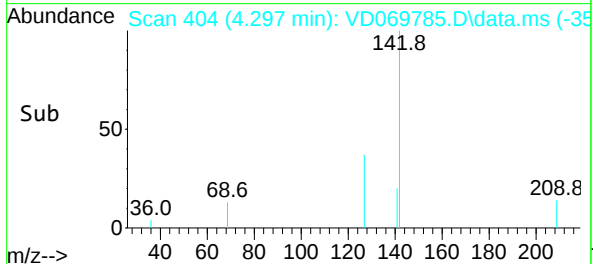
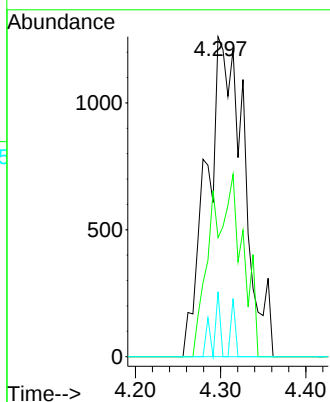


#10
Methyl Iodide
Concen: 3.017 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

Instrument :
MSVOA_D
ClientSampled :

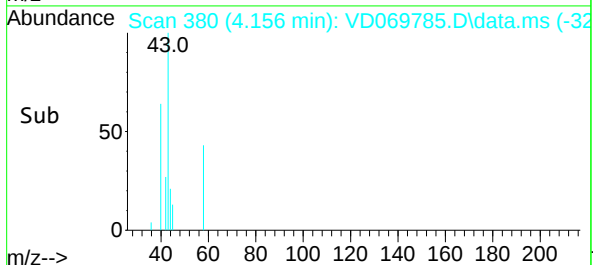
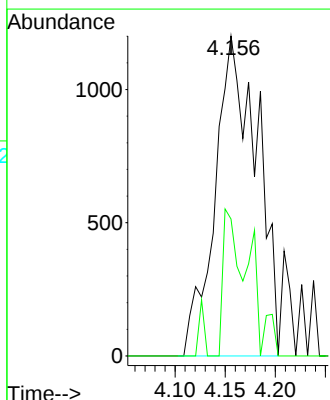
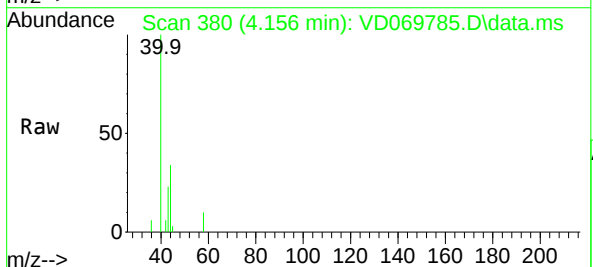


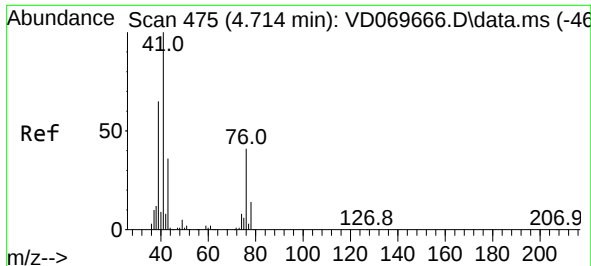
Tgt Ion:142 Resp: 3856
Ion Ratio Lower Upper
142 100
127 17.9 36.1 54.1#
141 3.7 11.6 17.4#



#16
Acetone
Concen: 15.386 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

Tgt Ion: 43 Resp: 3514
Ion Ratio Lower Upper
43 100
58 42.8 28.6 42.8





#18

Methyl Acetate

Concen: Below Cal

RT: 4.720 min Scan# 476

Delta R.T. 0.006 min

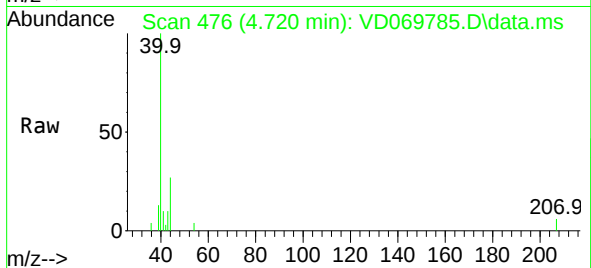
Lab File: VD069785.D

Acq: 21 Jul 2021 12:26

Instrument :

MSVOA_D

ClientSampled :

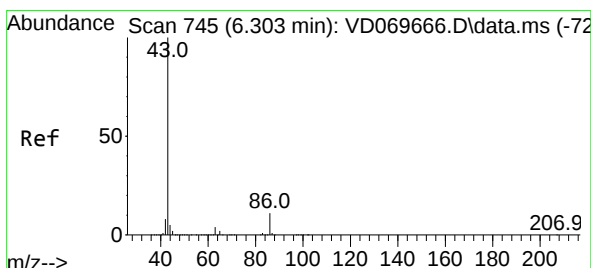
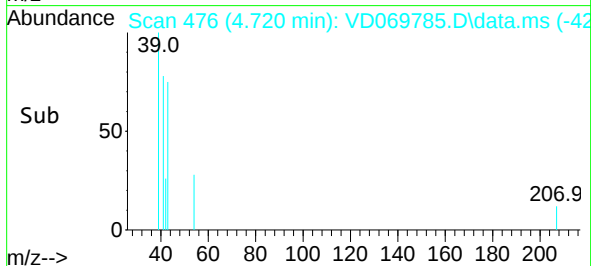
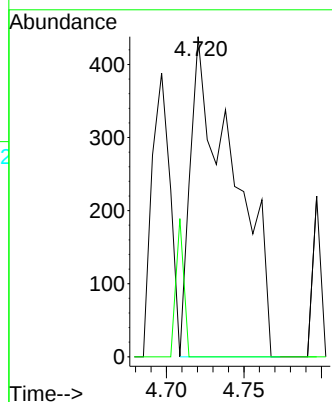


Tgt Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

74 7.9 20.6 30.8#



#23

Vinyl Acetate

Concen: 15.522 ug/l

RT: 6.320 min Scan# 748

Delta R.T. 0.017 min

Lab File: VD069785.D

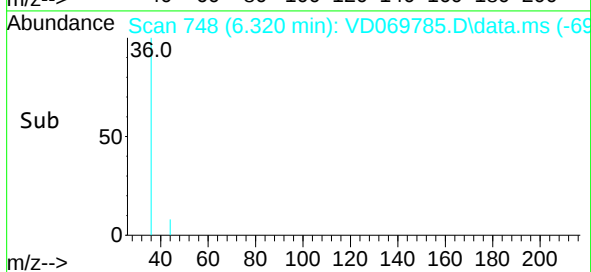
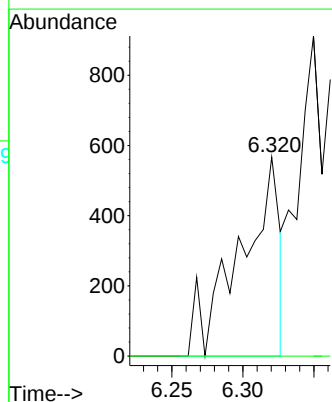
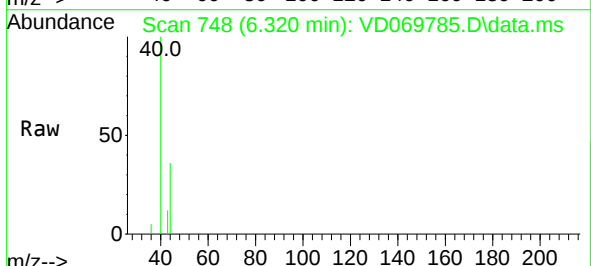
Acq: 21 Jul 2021 12:26

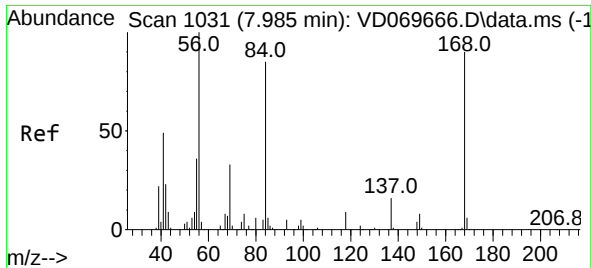
Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43 100

86 0.0 8.6 12.8#

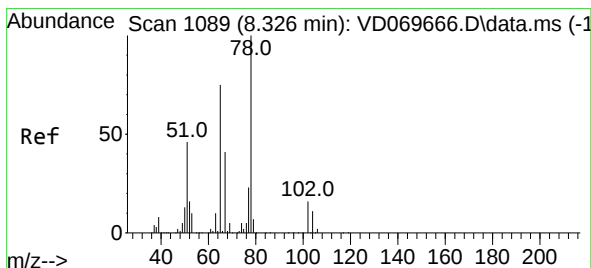
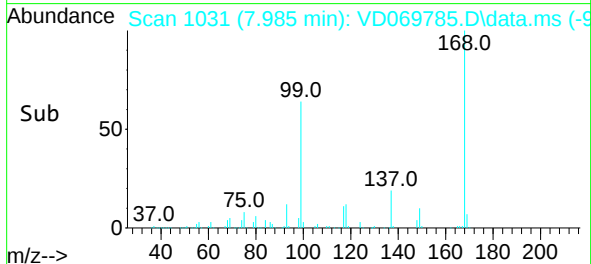
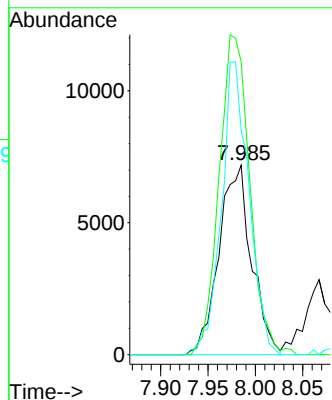
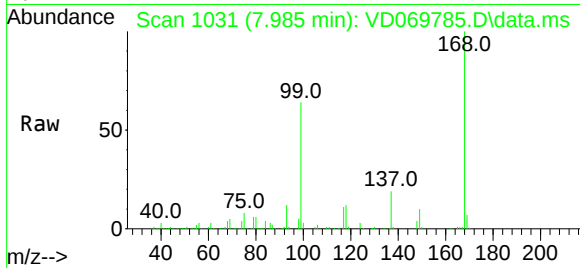




#31
Cyclohexane
Concen: 1.892 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

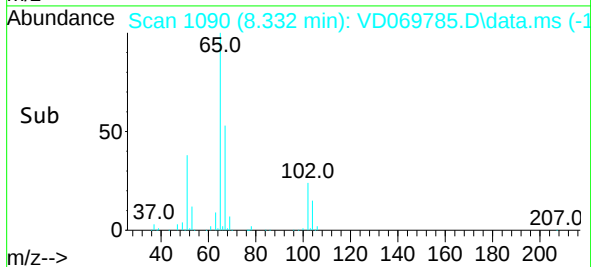
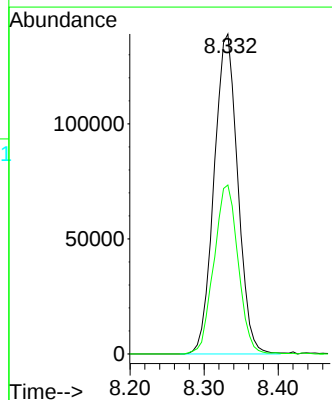
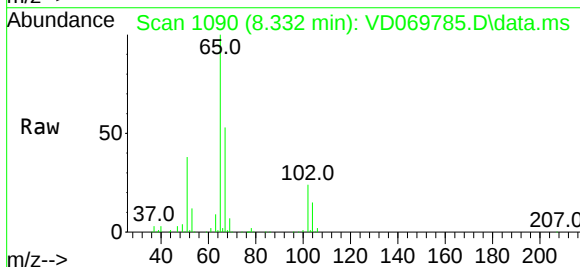
Instrument :
MSVOA_D
ClientSampled :

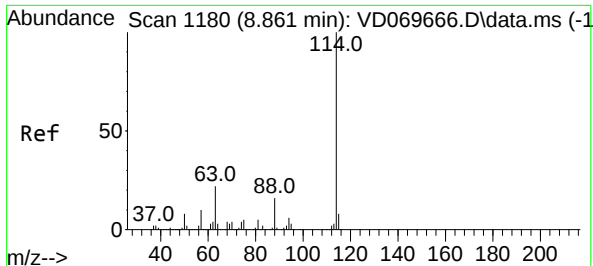
Tgt Ion: 56 Resp: 17123
Ion Ratio Lower Upper
56 100
69 154.7 26.6 39.8#
84 118.3 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 45.897 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

Tgt Ion: 65 Resp: 307978
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.2



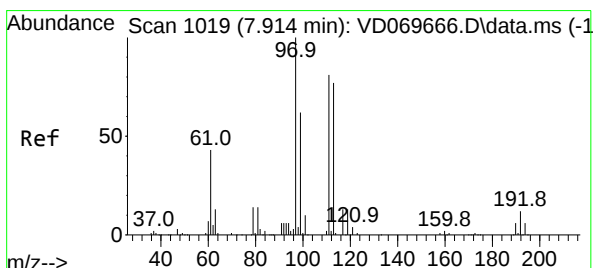
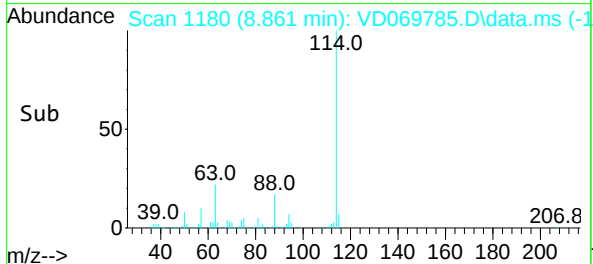
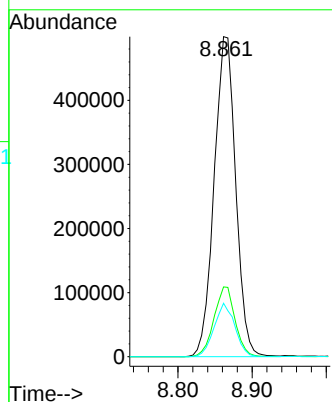
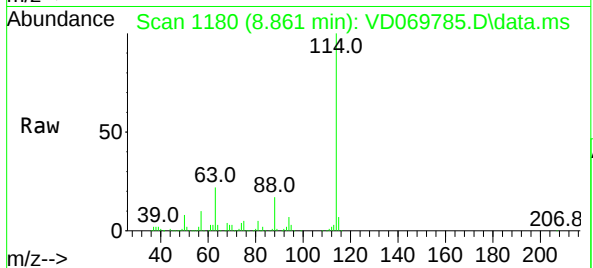


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

Instrument :
MSVOA_D
ClientSampleId :

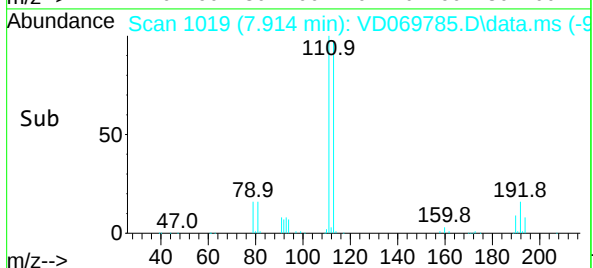
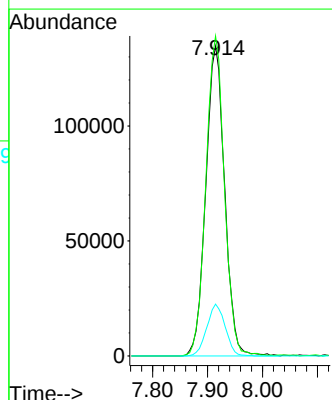
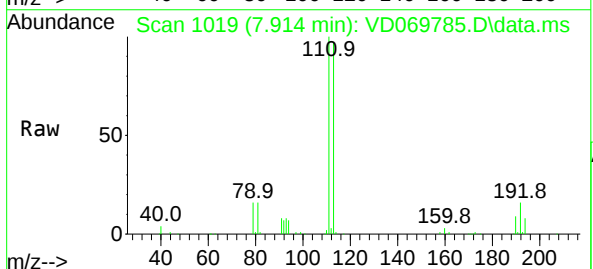
Tgt Ion:114 Resp: 1009245
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.4
88 16.7 0.0 32.0

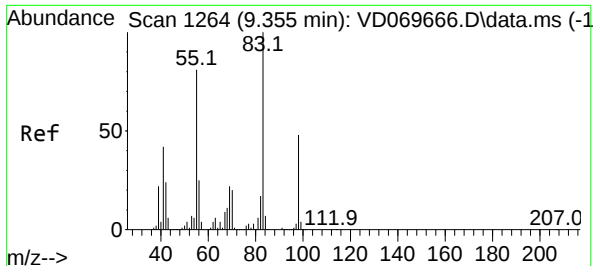


#35

Dibromofluoromethane
Concen: 47.488 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

Tgt Ion:113 Resp: 321537
Ion Ratio Lower Upper
113 100
111 101.3 82.6 123.8
192 16.3 12.7 19.1





#39

Methylcyclohexane

Concen: 2.338 ug/l

RT: 9.361 min Scan# 1265

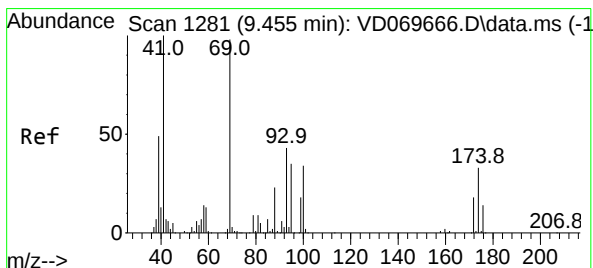
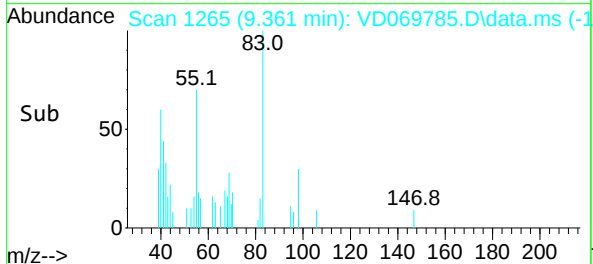
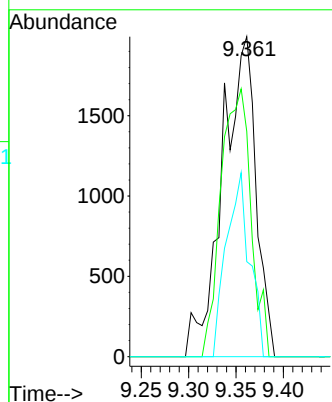
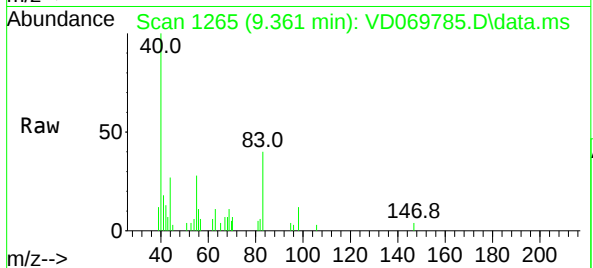
Delta R.T. 0.006 min

Lab File: VD069785.D

Acq: 21 Jul 2021 12:26

Tgt Ion: 83	Resp: 4912
Ion Ratio	Lower Upper
83 100	
55 70.4	64.6 97.0
98 29.7	38.4 57.6#

Instrument :
MSVOA_D
ClientSampled :



#48

Methyl methacrylate

Concen: 1.175 ug/l

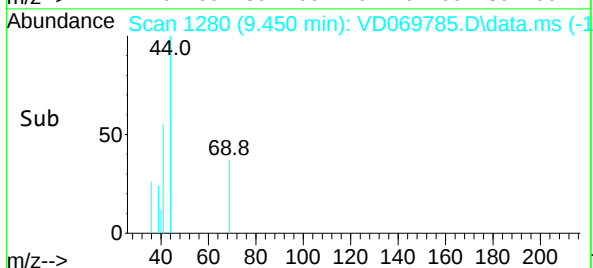
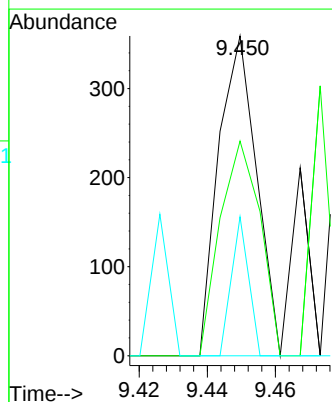
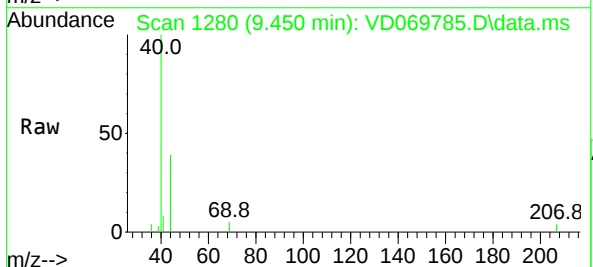
RT: 9.450 min Scan# 1280

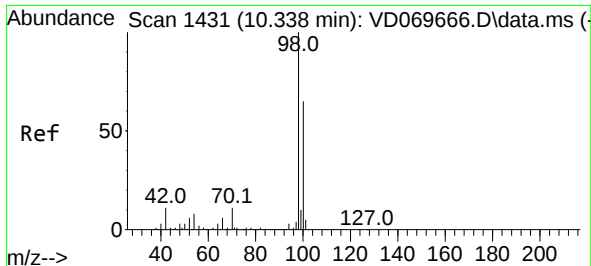
Delta R.T. -0.005 min

Lab File: VD069785.D

Acq: 21 Jul 2021 12:26

Tgt Ion: 41	Resp: 277
Ion Ratio	Lower Upper
41 100	
69 71.1	71.6 107.4#
39 19.9	36.7 55.1#

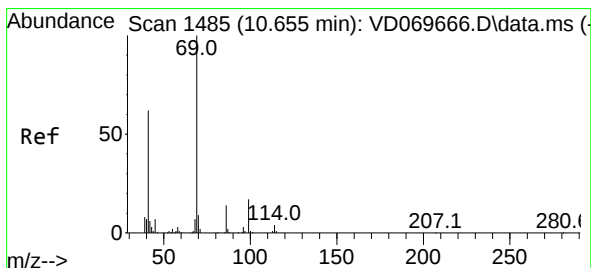
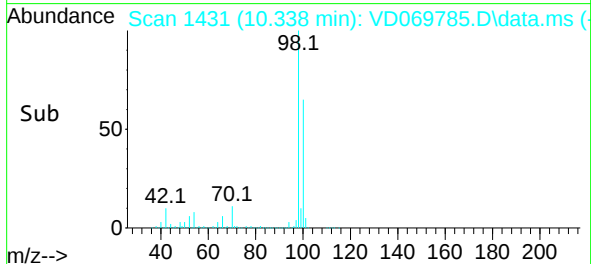
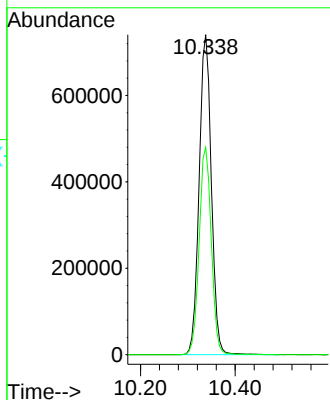
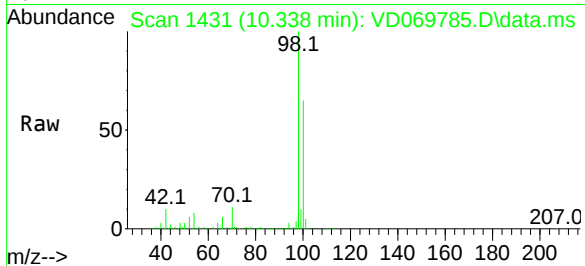




#50
Toluene-d8
Concen: 50.214 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

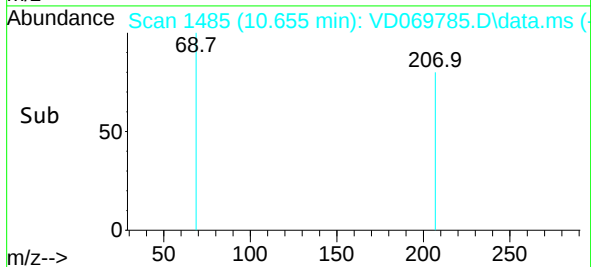
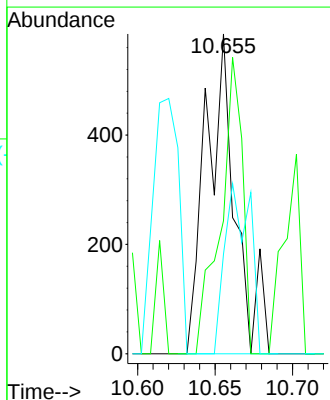
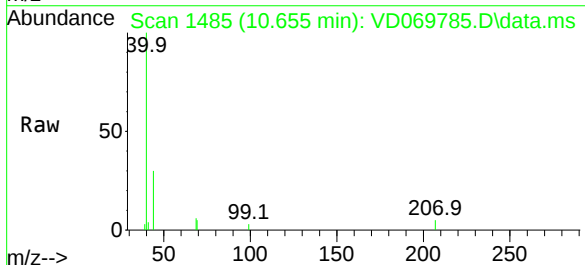
Instrument :
MSVOA_D
ClientSampleId :

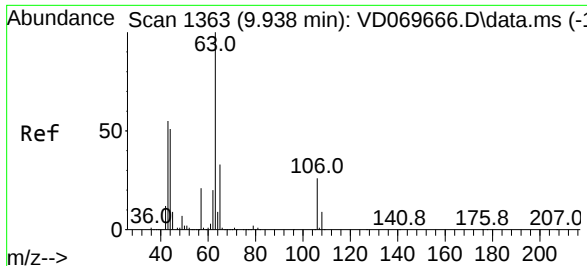
Tgt Ion: 98 Resp: 1320859
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.773 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

Tgt Ion: 69 Resp: 773
Ion Ratio Lower Upper
69 100
41 68.6 49.5 74.3
39 45.3 22.5 33.7#

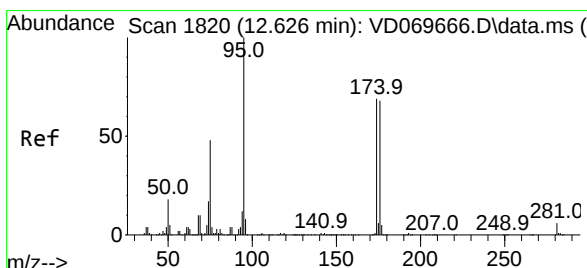
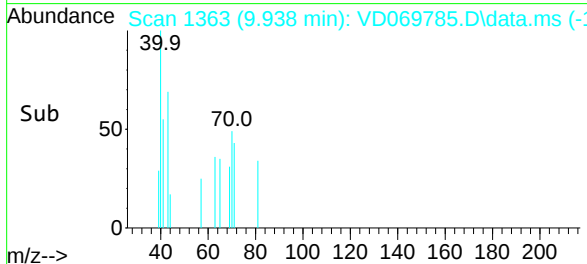
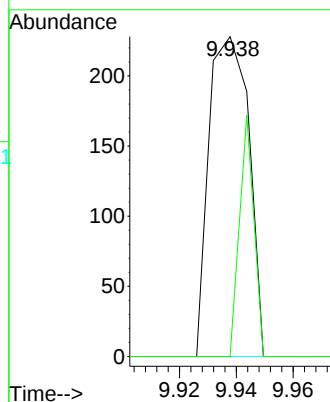
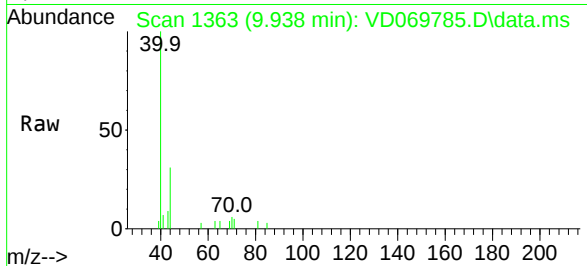




#58
2-Chloroethyl Vinyl ether
Concen: 9.430 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

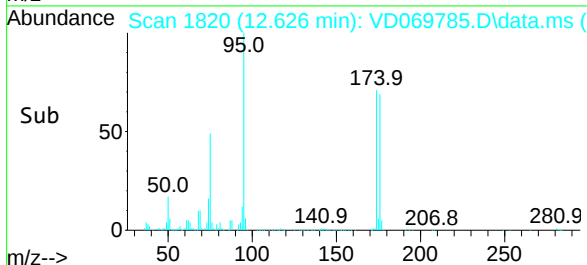
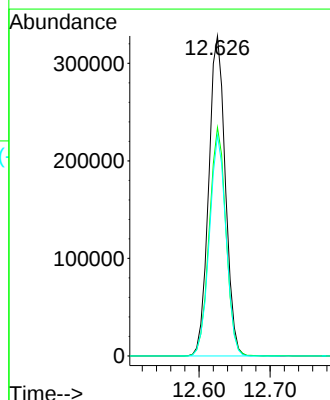
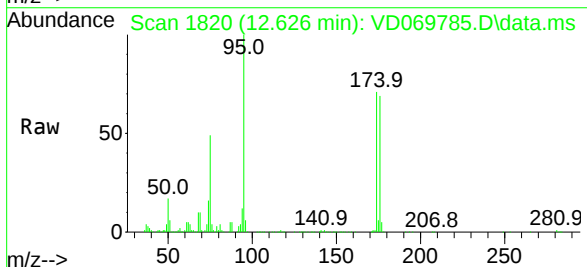
Instrument :
MSVOA_D
ClientSampled :

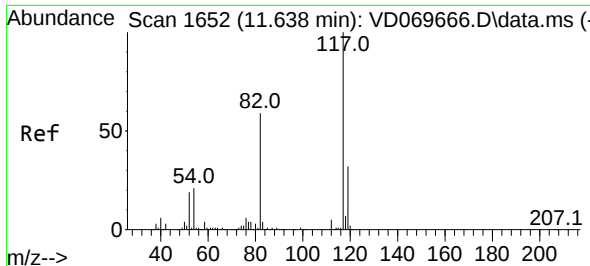
Tgt Ion: 63 Resp: 222
Ion Ratio Lower Upper
63 100
106 27.5 21.1 31.7



#62
4-Bromofluorobenzene
Concen: 60.854 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

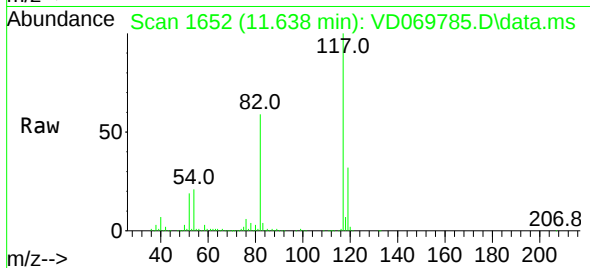
Tgt Ion: 95 Resp: 533860
Ion Ratio Lower Upper
95 100
174 71.6 0.0 140.0
176 68.5 0.0 136.2



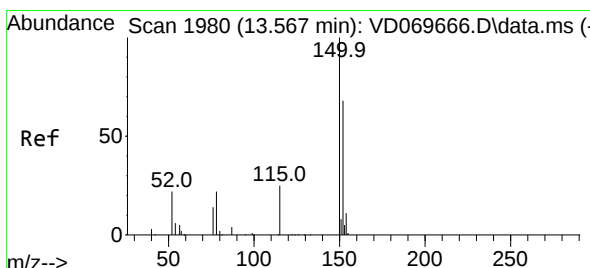
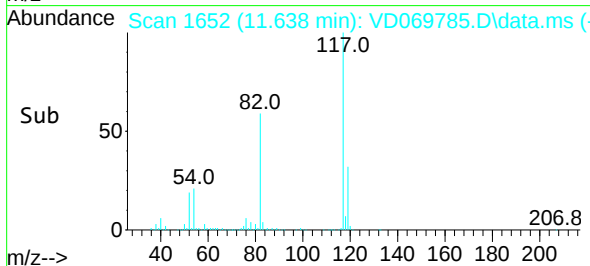
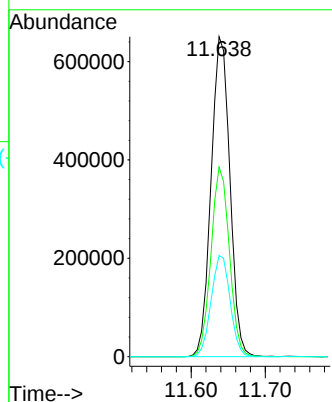


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

Instrument :
MSVOA_D
ClientSampleId :

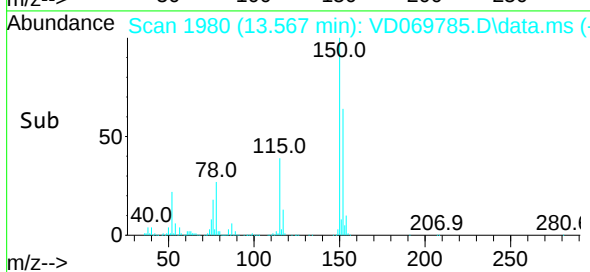
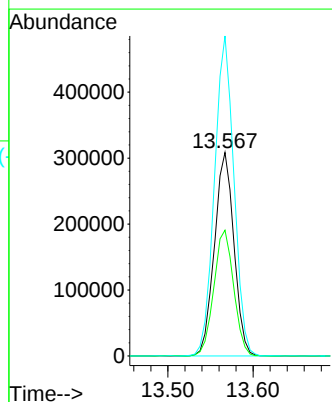
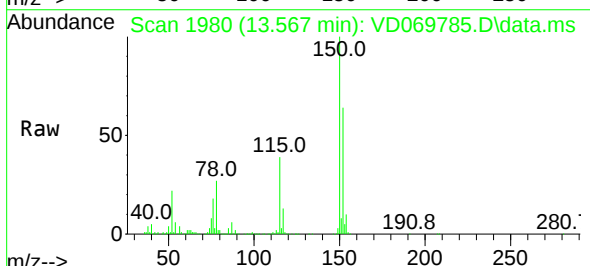


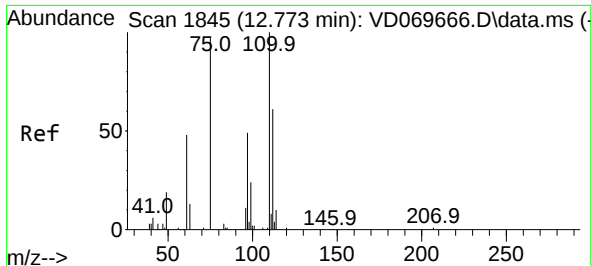
Tgt Ion:117 Resp: 1146315
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

Tgt Ion:152 Resp: 491669
Ion Ratio Lower Upper
152 100
115 62.8 31.7 95.1
150 157.1 0.0 350.4

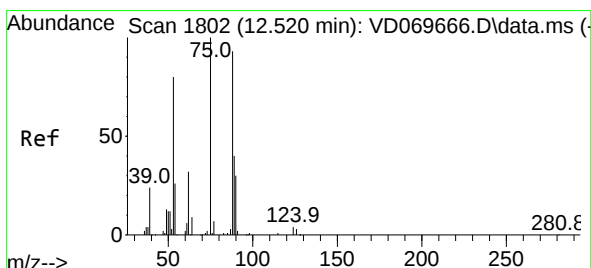
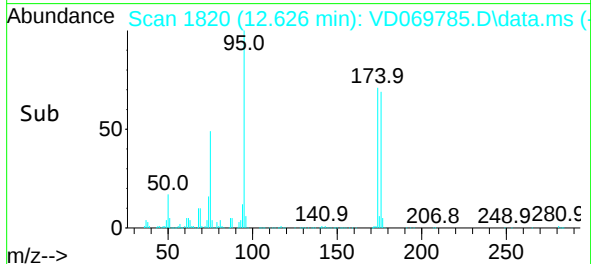
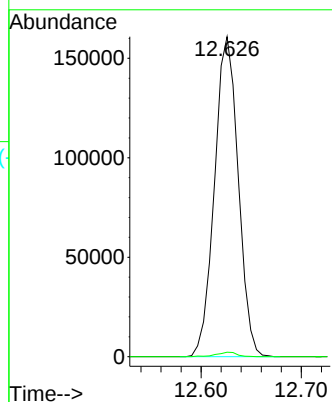
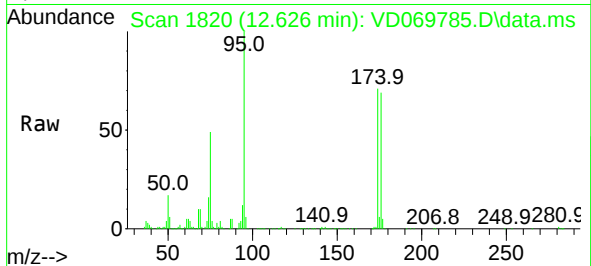




#76
1,2,3-Trichloropropane
Concen: 55.352 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

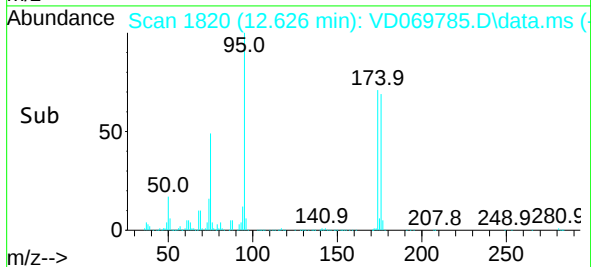
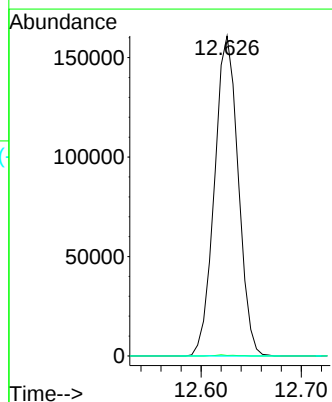
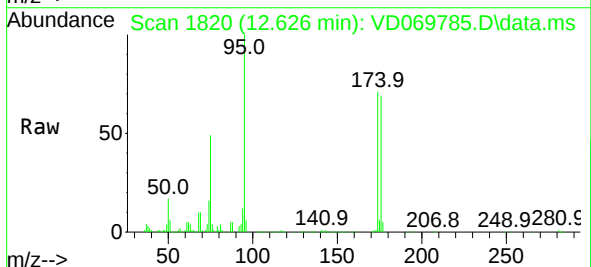
Instrument :
MSVOA_D
ClientSampleId :

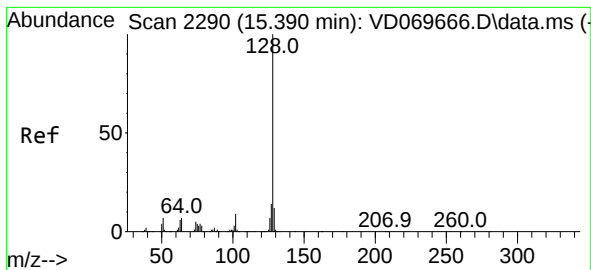
Tgt Ion: 75 Resp: 264384
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 148.756 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

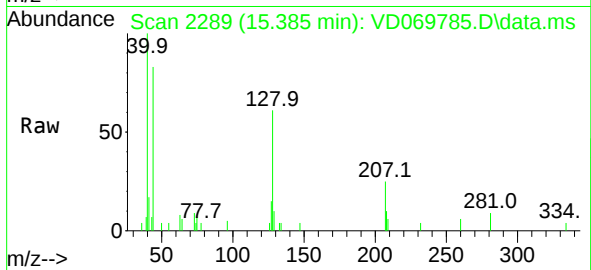
Tgt Ion: 75 Resp: 264384
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.0 35.1 52.7#





#95
Naphthalene
Concen: 2.490 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069785.D
Acq: 21 Jul 2021 12:26

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 4642
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 6.0 8.8 13.2#

