

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069771.D
 Acq On : 20 Jul 2021 15:51
 Operator : VA/SY
 Sample : M3049-02
 Misc : 4.20G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

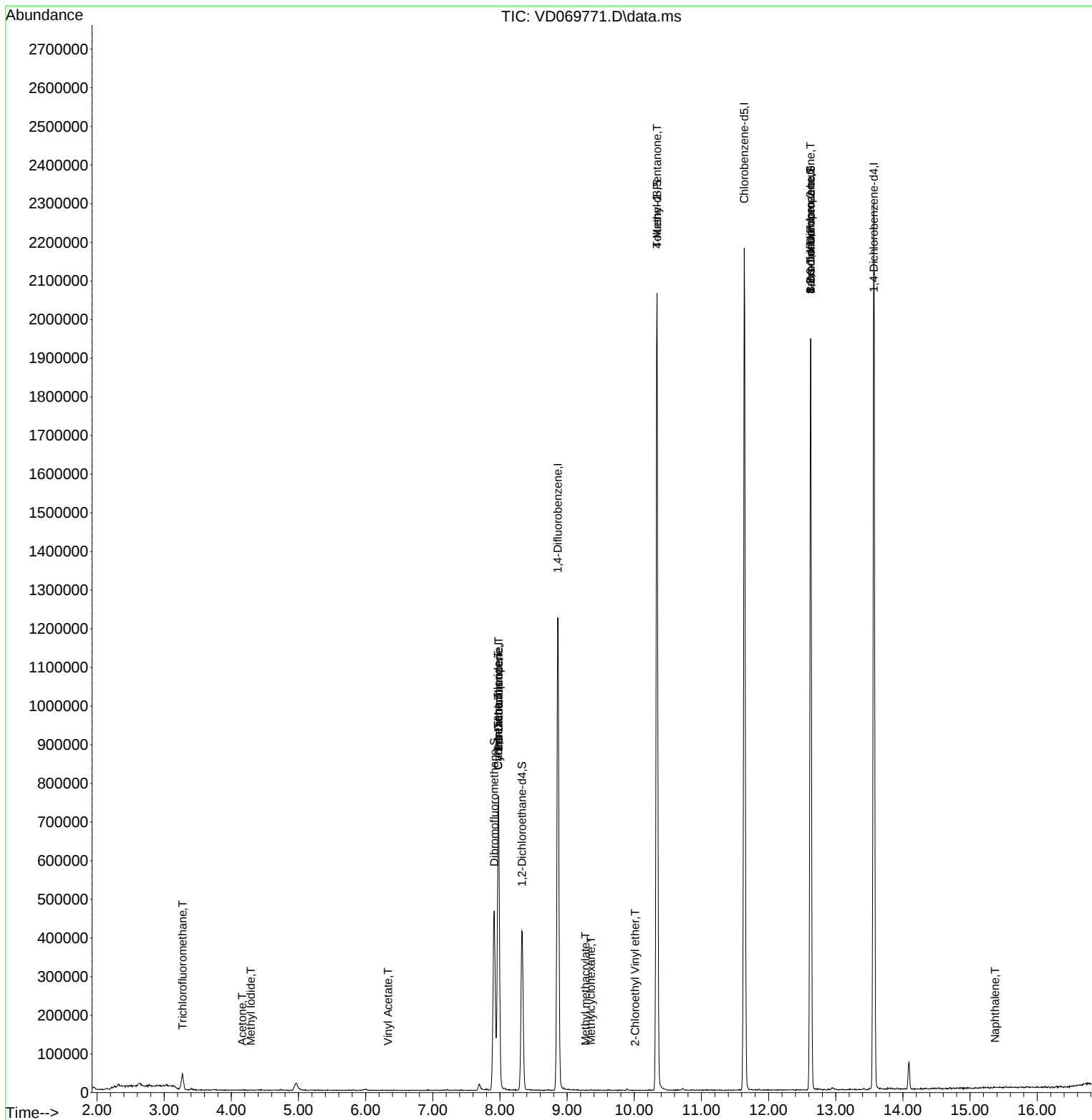
Quant Time: Jul 21 03:26:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

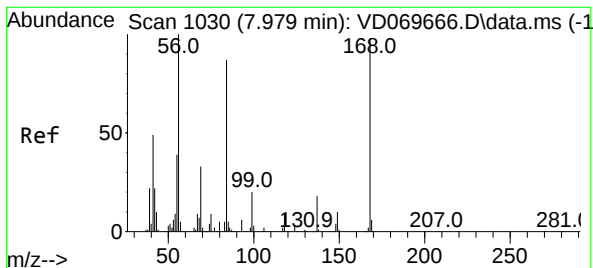
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	518509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1033023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1239180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	598136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	340736	52.629	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.260%
35) Dibromofluoromethane	7.914	113	344092	49.650	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.300%
50) Toluene-d8	10.338	98	1391748	51.691	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.380%
62) 4-Bromofluorobenzene	12.626	95	602566	67.104	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	134.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	1257	Below Cal		94
5) Bromomethane	2.785	94	2724	Below Cal	#	48
7) Trichlorofluoromethane	3.273	101	41196	4.142	ug/l	87
10) Methyl Iodide	4.291	142	651	2.565	ug/l #	65
16) Acetone	4.162	43	1691	14.264	ug/l	98
18) Methyl Acetate	4.732	43	76	Below Cal	#	49
20) Methylene Chloride	4.962	84	14001	Below Cal	#	86
23) Vinyl Acetate	6.332	43	61	15.430	ug/l #	72
31) Cyclohexane	7.973	56	13196	1.593	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	51150	4.800	ug/l #	50
38) Carbon Tetrachloride	7.973	117	57229	5.864	ug/l #	16
39) Methylcyclohexane	9.355	83	312	1.982	ug/l #	71
48) Methyl methacrylate	9.273	41	75	1.122	ug/l #	13
51) 4-Methyl-2-Pentanone	10.338	43	5589	1.462	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.014	63	59	9.378	ug/l #	49
71) Bromoform	12.626	173	4653	1.085	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	296618	51.047	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	296618	137.186	ug/l #	14
95) Naphthalene	15.373	128	490	2.230	ug/l #	69

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

Quant Time: Jul 21 03:26:12 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

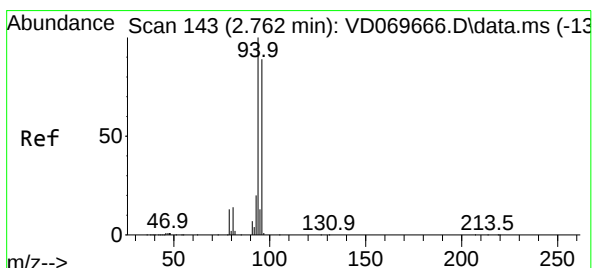
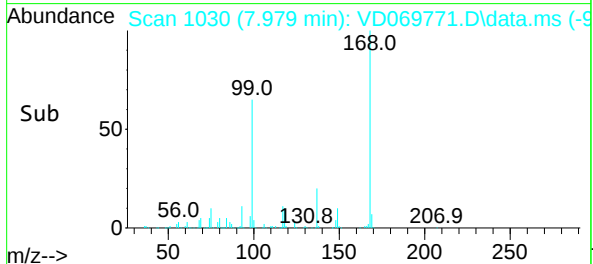
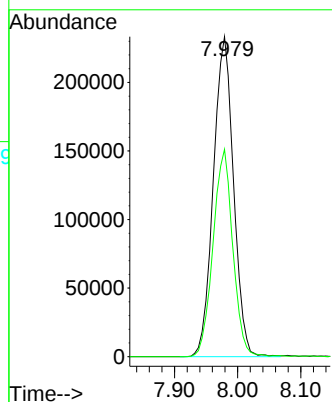
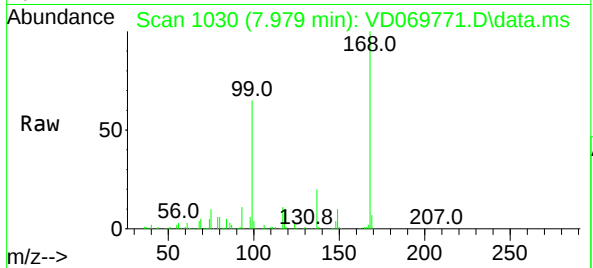




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

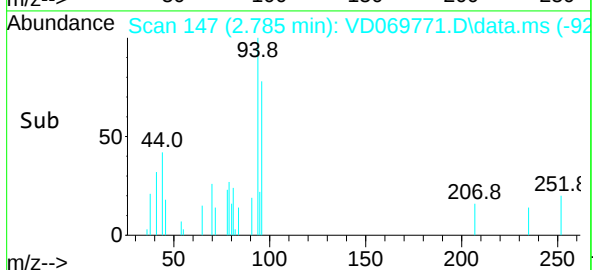
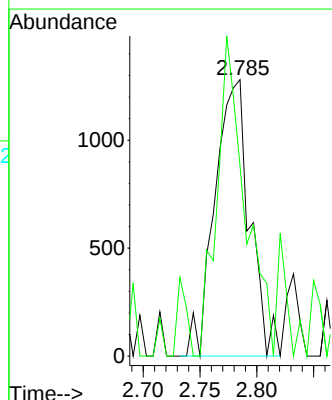
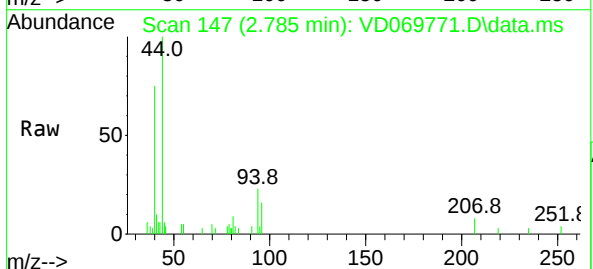
Instrument :
MSVOA_D
ClientSampled :

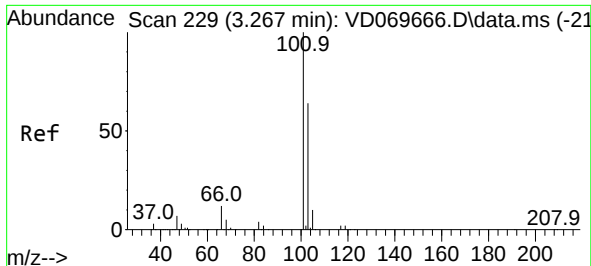
Tgt Ion:168 Resp: 518509
Ion Ratio Lower Upper
168 100
99 64.8 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

Tgt Ion: 94 Resp: 2724
Ion Ratio Lower Upper
94 100
96 40.4 71.2 106.8#

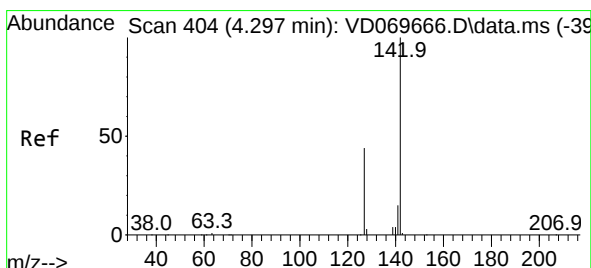
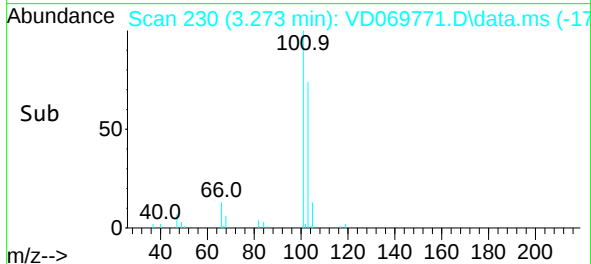
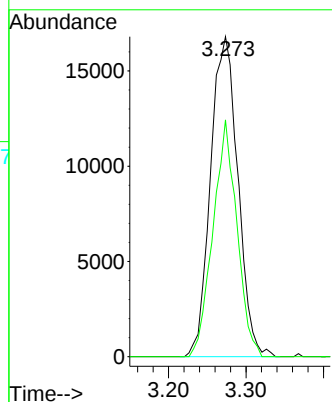
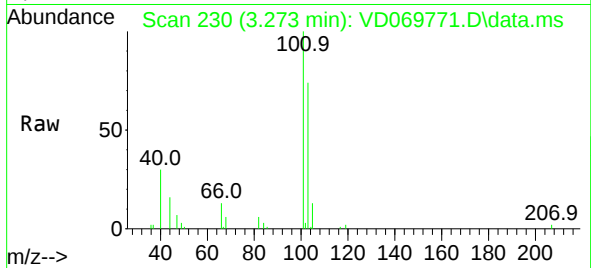




#7
Trichlorofluoromethane
Concen: 4.142 ug/l
RT: 3.273 min Scan# 230
Delta R.T. 0.006 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

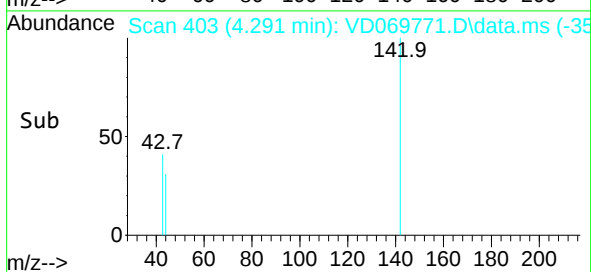
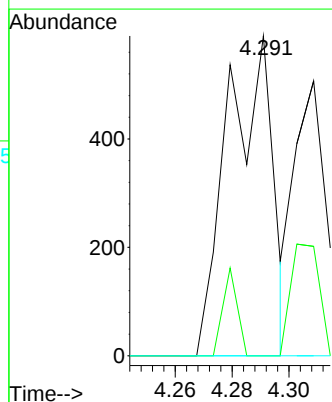
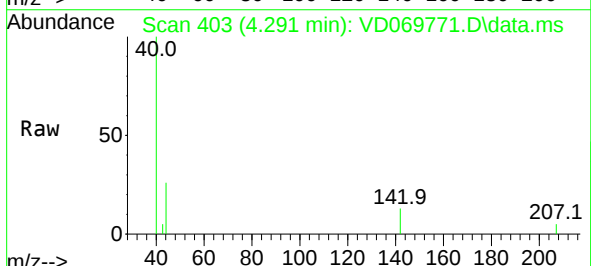
Instrument :
MSVOA_D
ClientSampled :

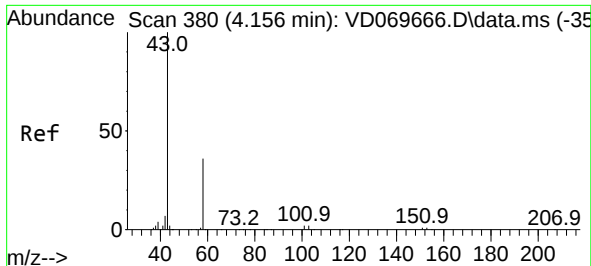
Tgt Ion:101 Resp: 41196
Ion Ratio Lower Upper
101 100
103 74.0 51.4 77.0



#10
Methyl Iodide
Concen: 2.565 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

Tgt Ion:142 Resp: 651
Ion Ratio Lower Upper
142 100
127 22.1 36.1 54.1#
141 0.0 11.6 17.4#

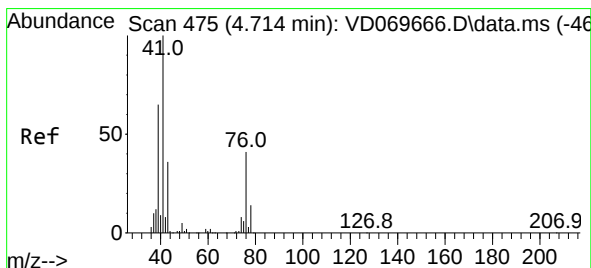
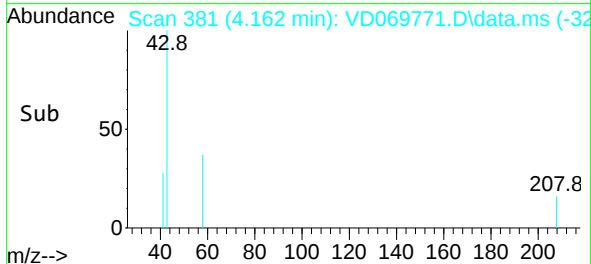
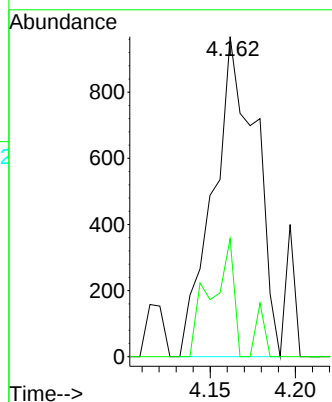
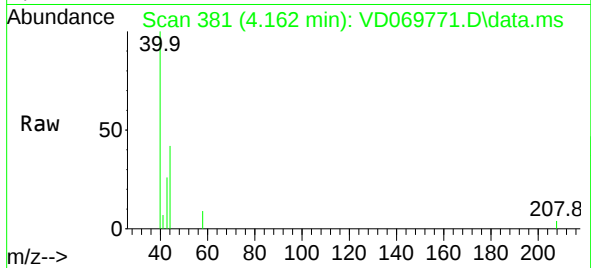




#16
Acetone
Concen: 14.264 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

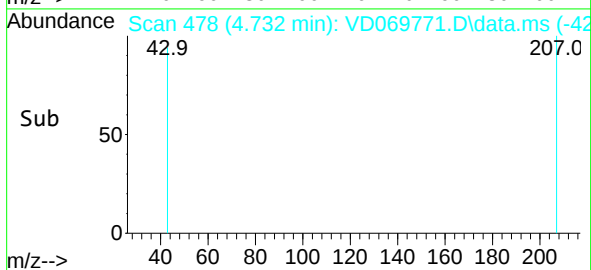
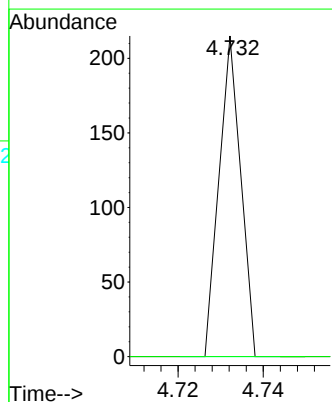
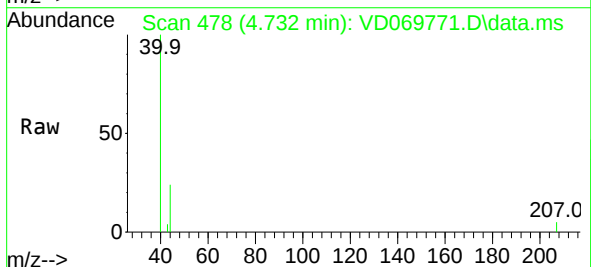
Instrument :
MSVOA_D
ClientSampleId :

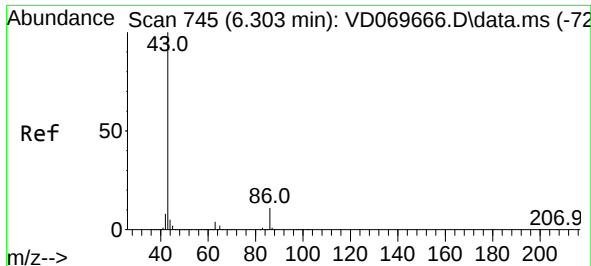
Tgt Ion: 43 Resp: 1691
Ion Ratio Lower Upper
43 100
58 36.9 28.6 42.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.018 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

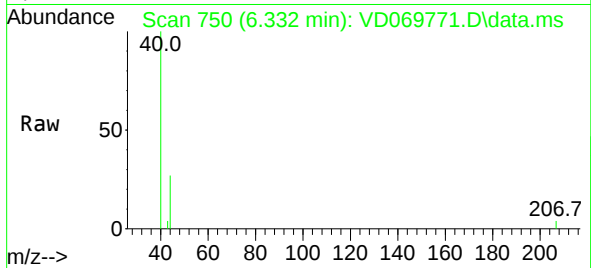
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



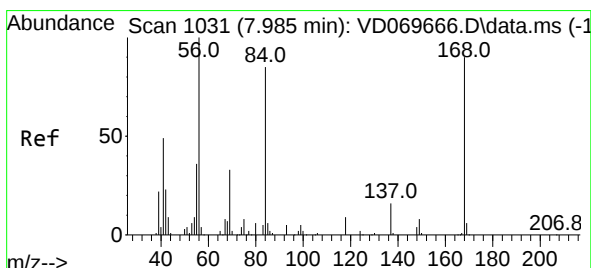
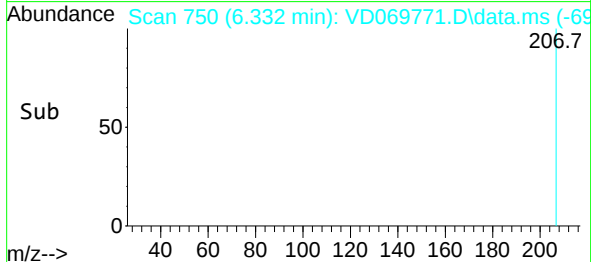
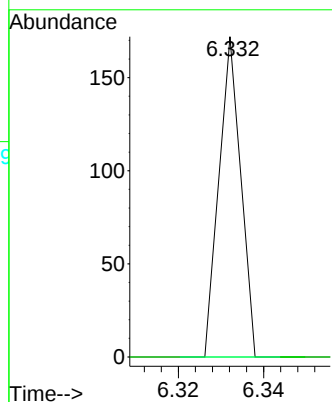


#23
 Vinyl Acetate
 Concen: 15.430 ug/l
 RT: 6.332 min Scan# 750
 Delta R.T. 0.029 min
 Lab File: VD069771.D
 Acq: 20 Jul 2021 15:51

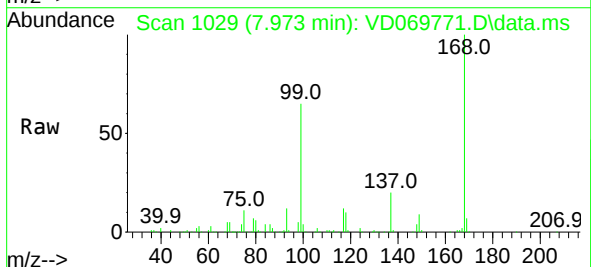
Instrument :
 MSVOA_D
 ClientSampled :



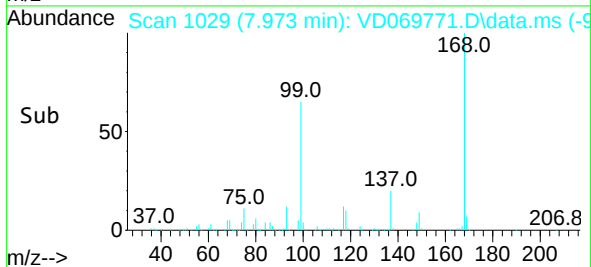
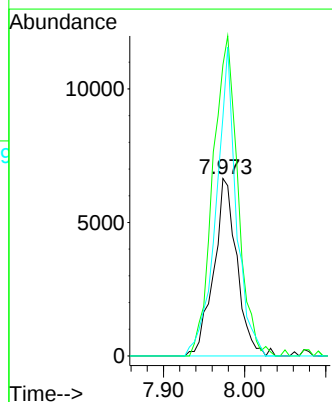
Tgt Ion: 43 Resp: 61
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#

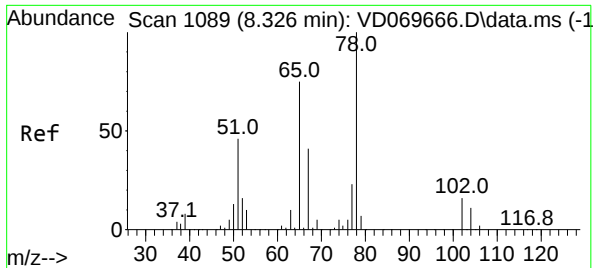


#31
 Cyclohexane
 Concen: 1.593 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD069771.D
 Acq: 20 Jul 2021 15:51



Tgt Ion: 56 Resp: 13196
 Ion Ratio Lower Upper
 56 100
 69 164.0 26.6 39.8#
 84 134.6 68.2 102.2#

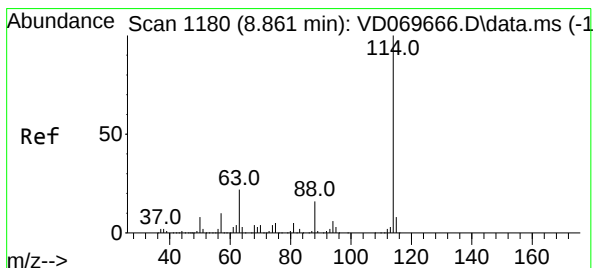
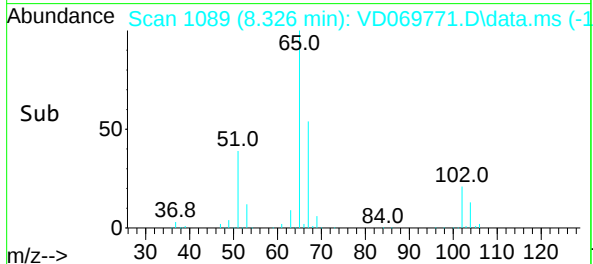
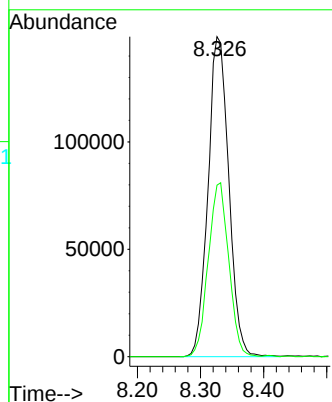
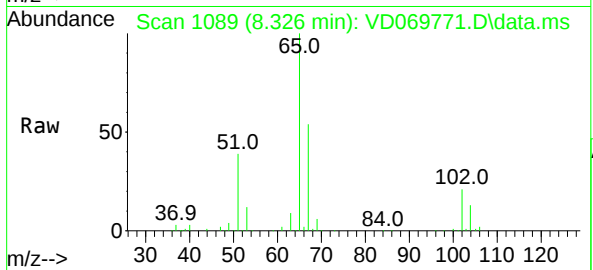




#33
1,2-Dichloroethane-d4
Concen: 52.629 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

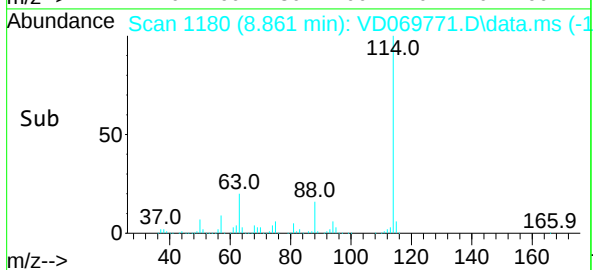
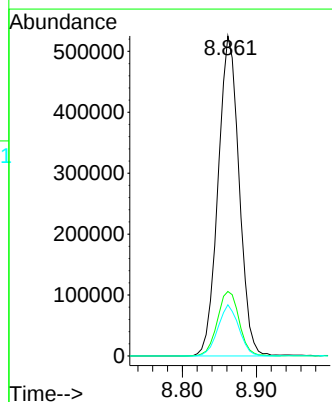
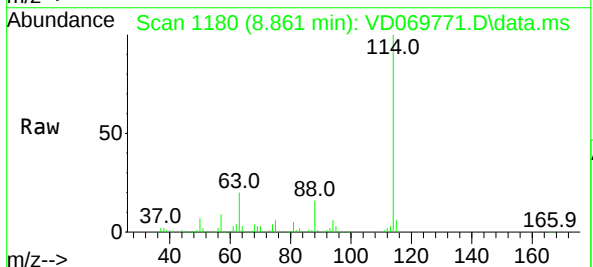
Instrument :
MSVOA_D
ClientSampled :

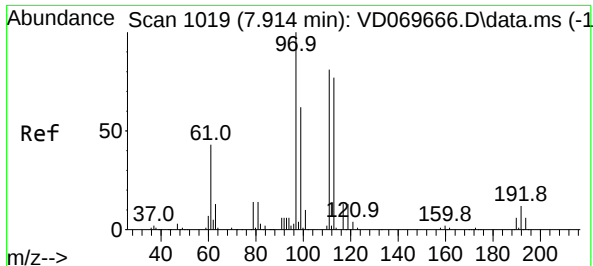
Tgt Ion: 65 Resp: 340736
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

Tgt Ion: 114 Resp: 1033023
Ion Ratio Lower Upper
114 100
63 20.1 0.0 43.4
88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.650 ug/l

RT: 7.914 min Scan# 1019

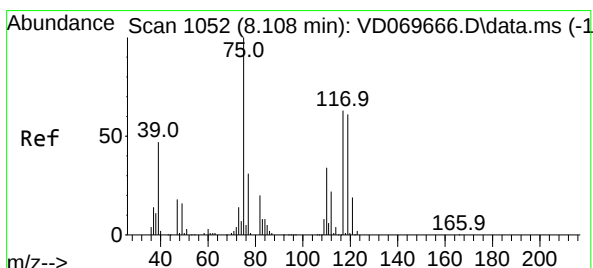
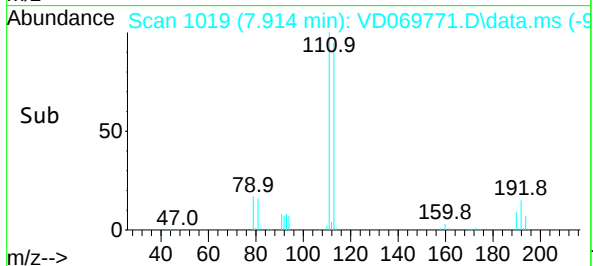
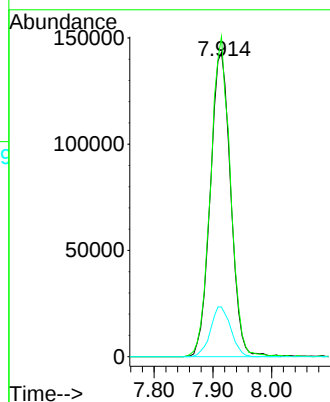
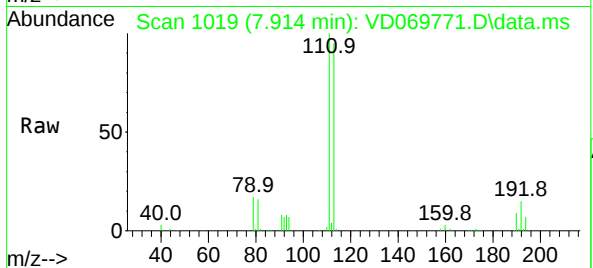
Delta R.T. 0.000 min

Lab File: VD069771.D

Acq: 20 Jul 2021 15:51

Tgt Ion:	113	Resp:	344092
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	16.4	12.7	19.1

Instrument :
MSVOA_D
ClientSampled :



#36

1,1-Dichloropropene

Concen: 4.800 ug/l

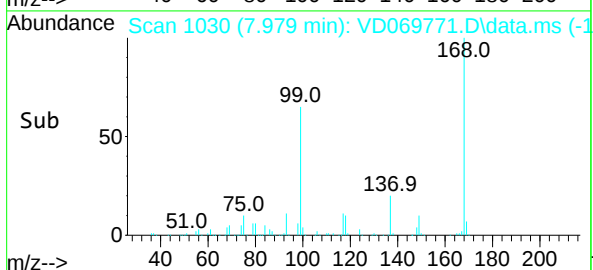
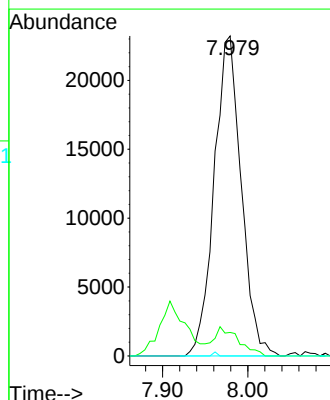
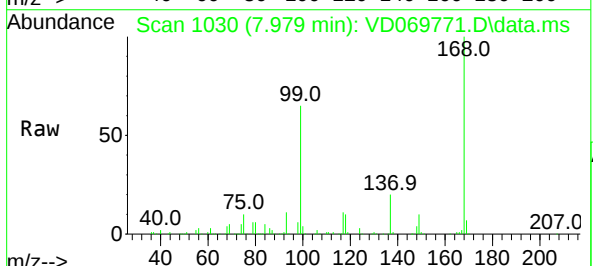
RT: 7.979 min Scan# 1030

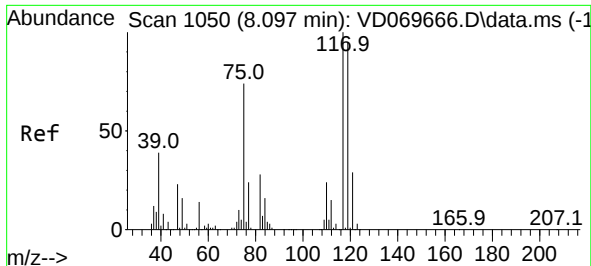
Delta R.T. -0.129 min

Lab File: VD069771.D

Acq: 20 Jul 2021 15:51

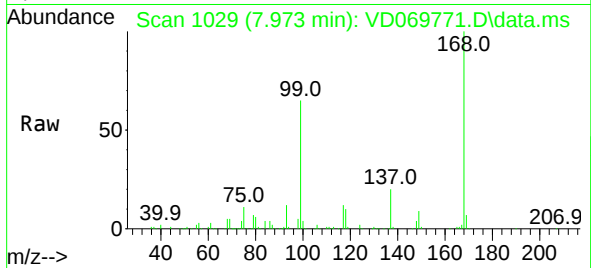
Tgt Ion:	75	Resp:	51150
Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.7	50.0#
77	0.2	25.3	37.9#



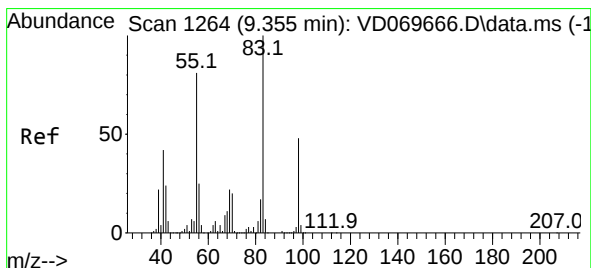
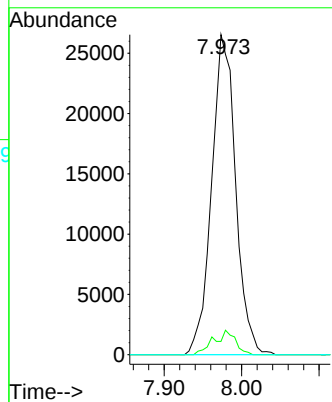
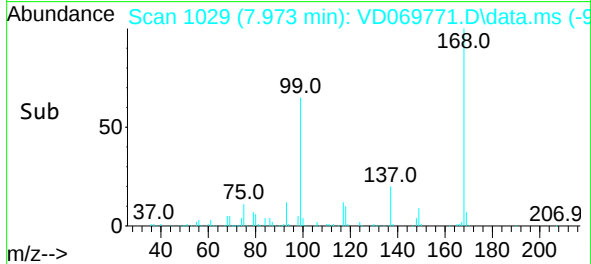


#38
Carbon Tetrachloride
Concen: 5.864 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

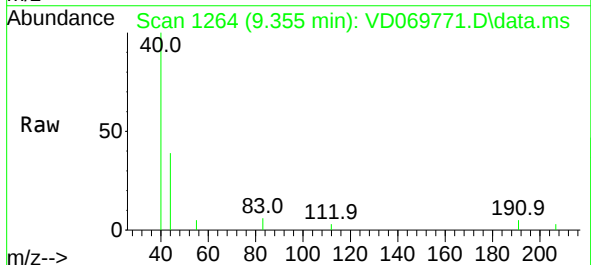
Instrument :
MSVOA_D
ClientSampleId :



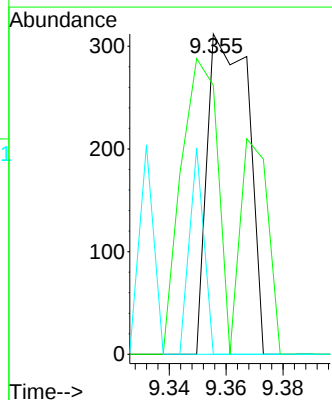
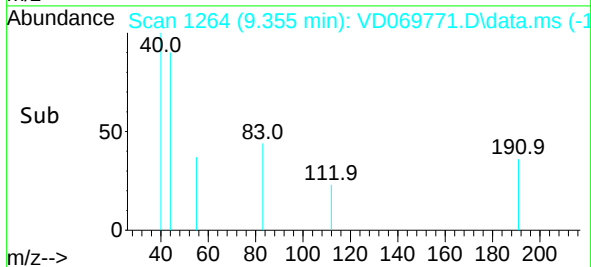
Tgt Ion:117 Resp: 57229
Ion Ratio Lower Upper
117 100
119 4.1 75.7 113.5#
121 0.0 23.0 34.6#

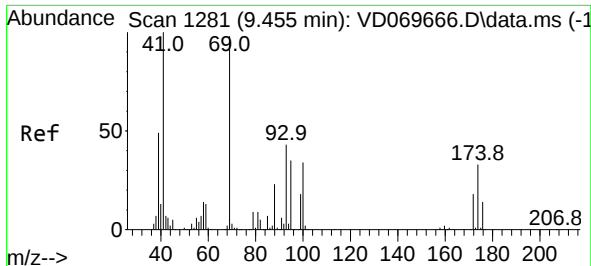


#39
Methylcyclohexane
Concen: 1.982 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51



Tgt Ion: 83 Resp: 312
Ion Ratio Lower Upper
83 100
55 84.0 64.6 97.0
98 0.0 38.4 57.6#





#48

Methyl methacrylate

Concen: 1.122 ug/l

RT: 9.273 min Scan# 1250

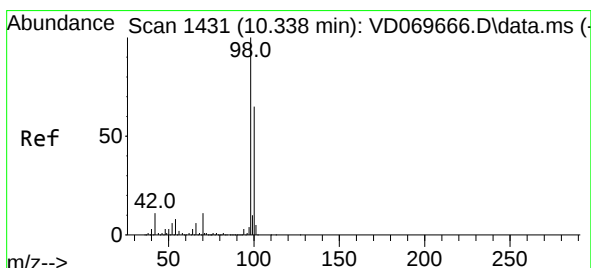
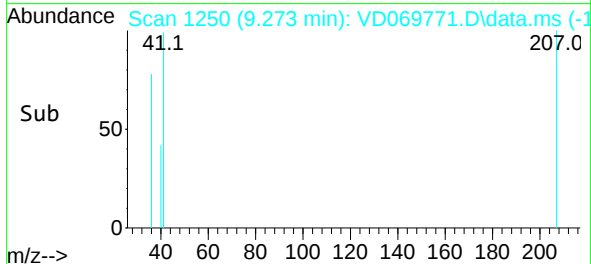
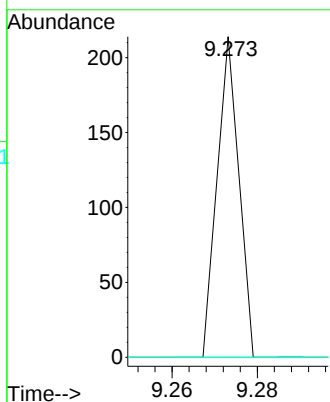
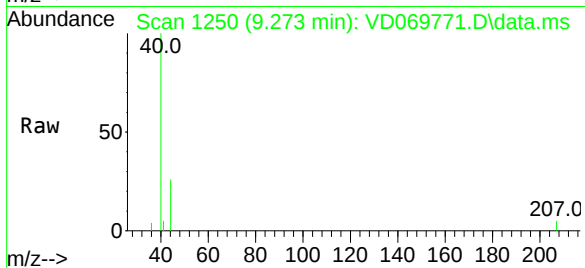
Delta R.T. -0.182 min

Lab File: VD069771.D

Acq: 20 Jul 2021 15:51

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	41	Resp:	75
Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.6	107.4#
39	0.0	36.7	55.1#



#50

Toluene-d8

Concen: 51.691 ug/l

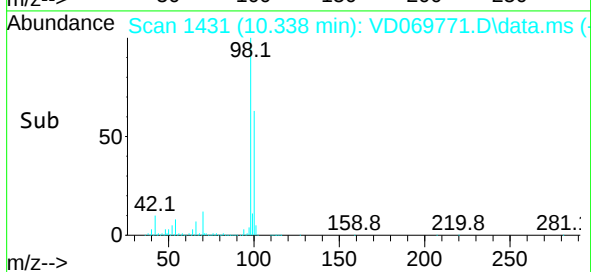
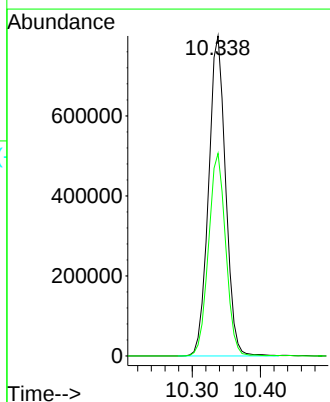
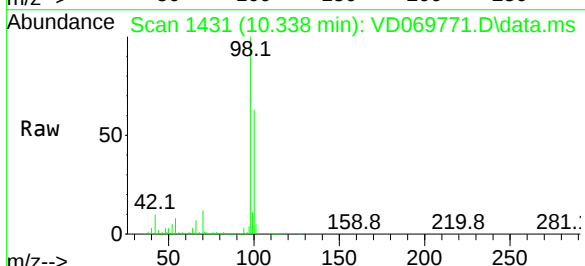
RT: 10.338 min Scan# 1431

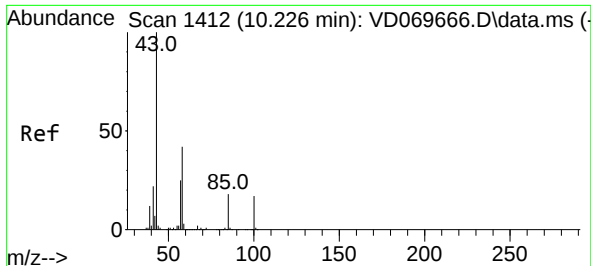
Delta R.T. -0.000 min

Lab File: VD069771.D

Acq: 20 Jul 2021 15:51

Tgt Ion:	98	Resp:	1391748
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.2	78.2

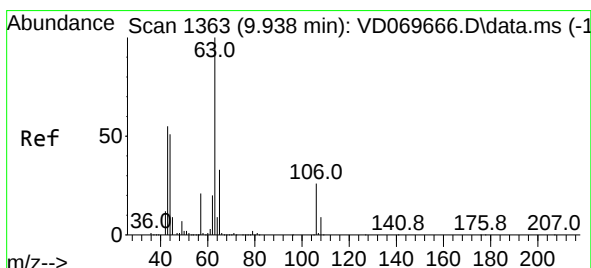
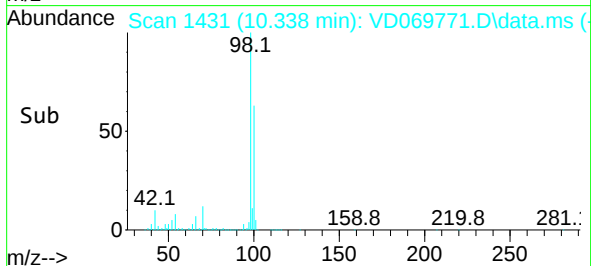
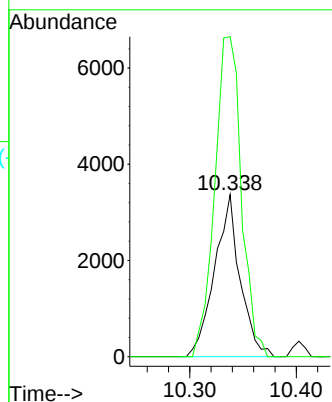
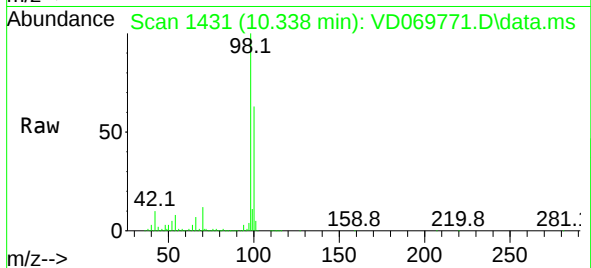




#51
4-Methyl-2-Pentanone
Concen: 1.462 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

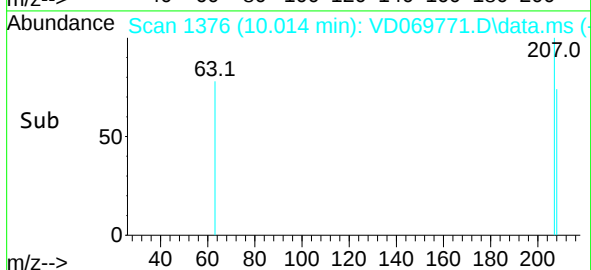
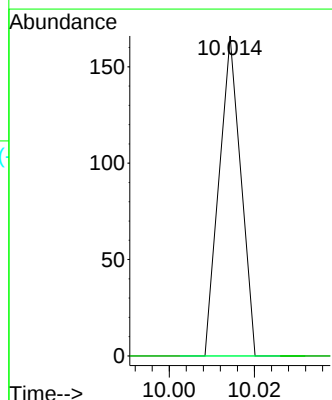
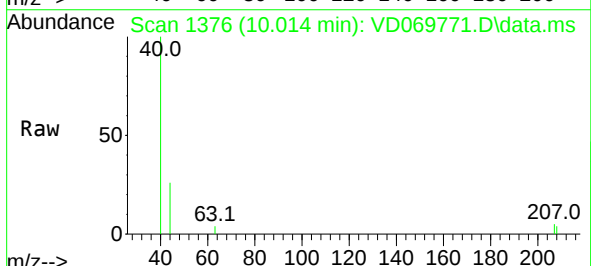
Instrument :
MSVOA_D
ClientSampled :

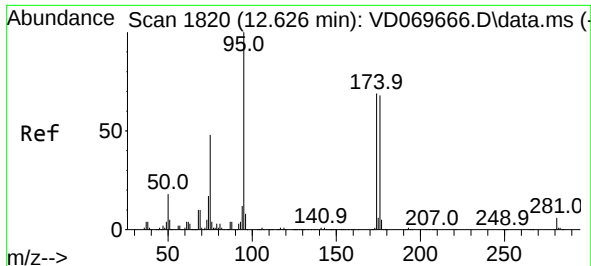
Tgt Ion: 43 Resp: 5589
Ion Ratio Lower Upper
43 100
58 206.9 33.5 50.3#



#58
2-Chloroethyl Vinyl ether
Concen: 9.378 ug/l
RT: 10.014 min Scan# 1376
Delta R.T. 0.076 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

Tgt Ion: 63 Resp: 59
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#

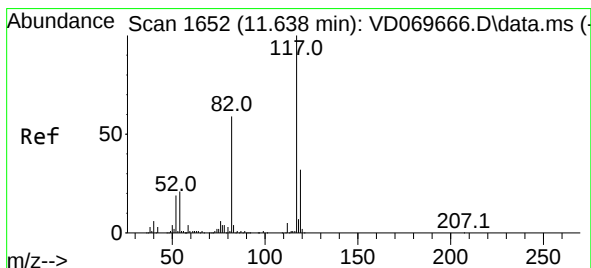
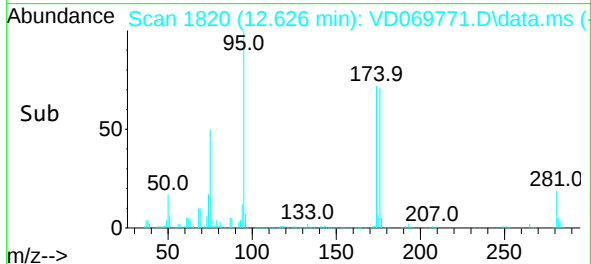
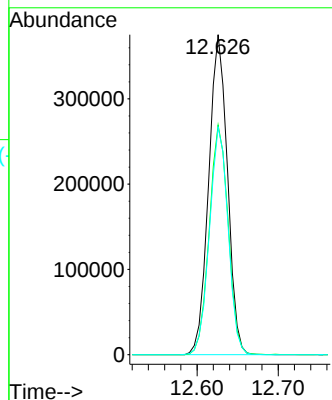
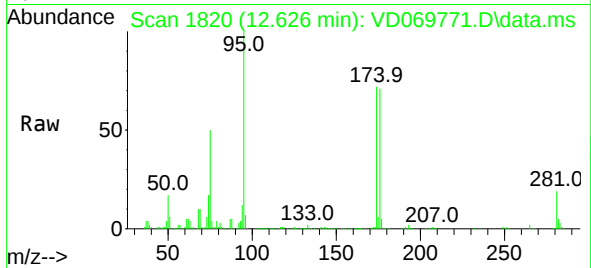




#62
4-Bromofluorobenzene
Concen: 67.104 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

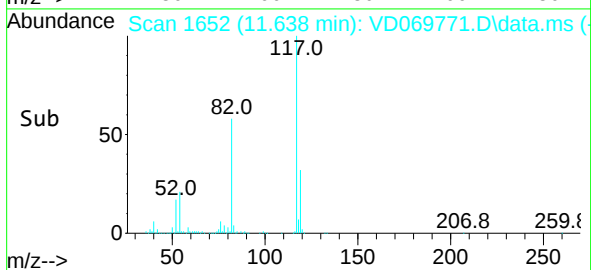
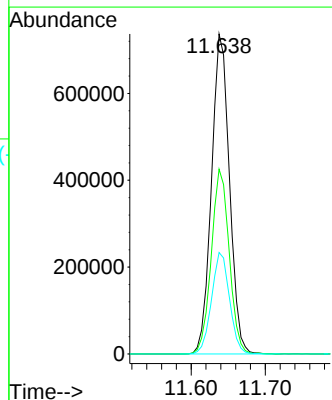
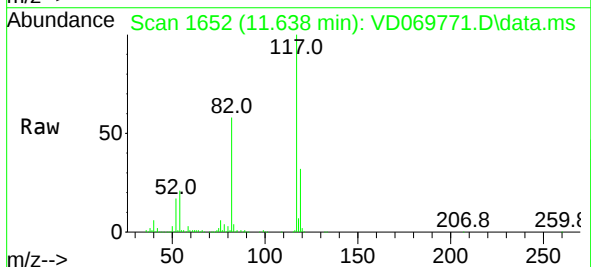
Instrument :
MSVOA_D
ClientSampleId :

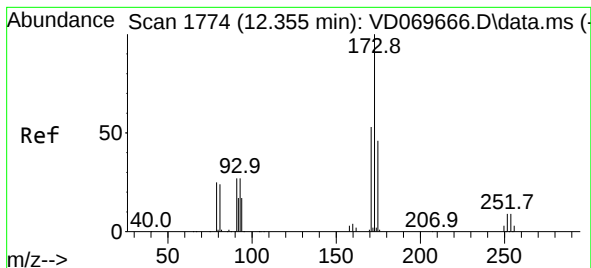
Tgt Ion: 95 Resp: 602566
Ion Ratio Lower Upper
95 100
174 72.4 0.0 140.0
176 70.5 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

Tgt Ion: 117 Resp: 1239180
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 31.7 25.5 38.3





#71

Bromoform

Concen: 1.085 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.271 min

Lab File: VD069771.D

Acq: 20 Jul 2021 15:51

Tgt Ion:173 Resp: 4653

Ion Ratio Lower Upper

173 100

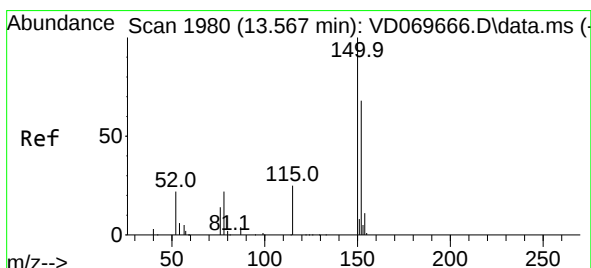
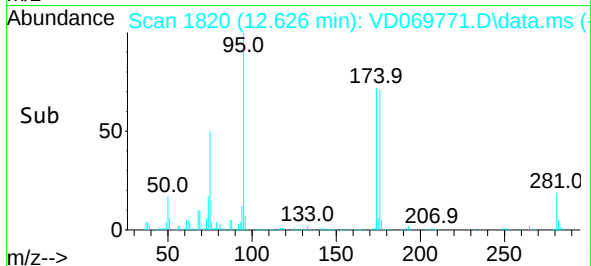
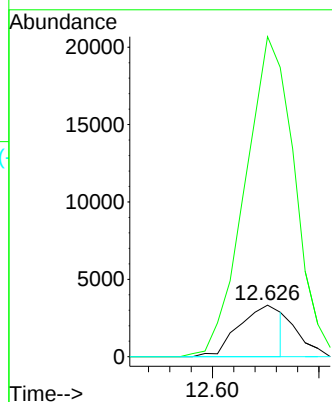
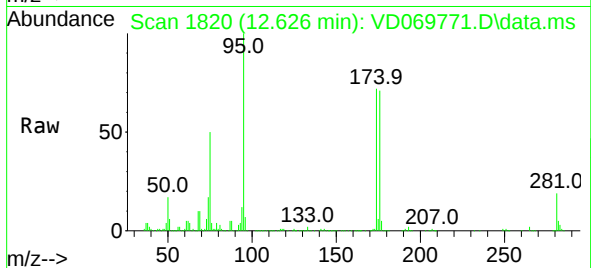
175 551.5 24.2 72.6#

254 0.0 0.1 0.1#

Instrument :

MSVOA_D

ClientSampled :



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.000 min

Lab File: VD069771.D

Acq: 20 Jul 2021 15:51

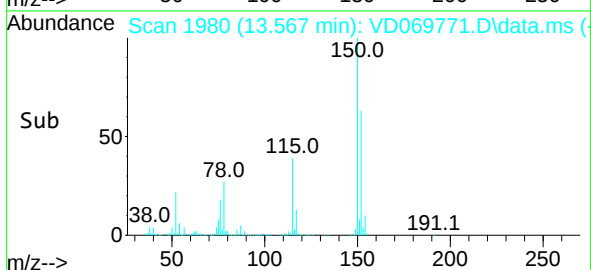
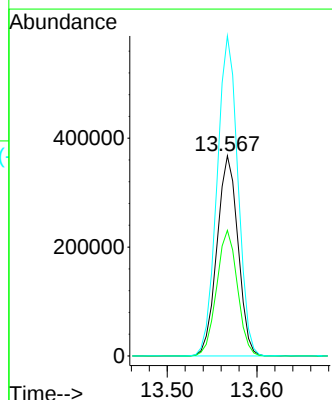
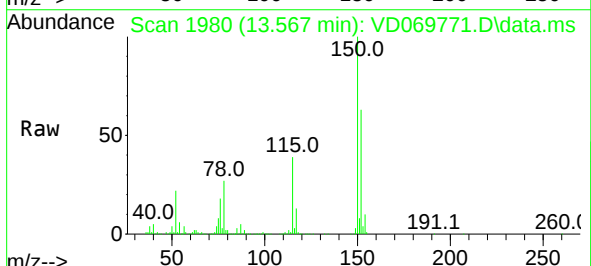
Tgt Ion:152 Resp: 598136

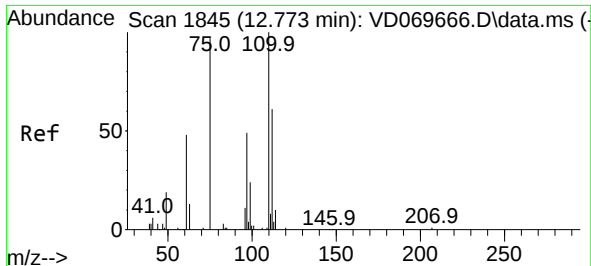
Ion Ratio Lower Upper

152 100

115 62.0 31.7 95.1

150 159.0 0.0 350.4

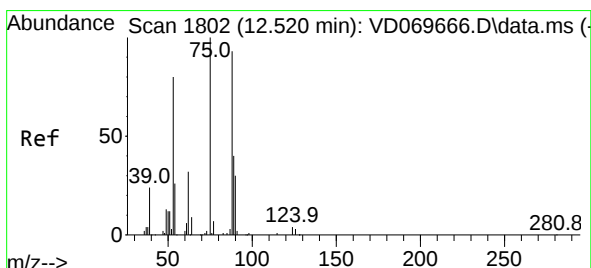
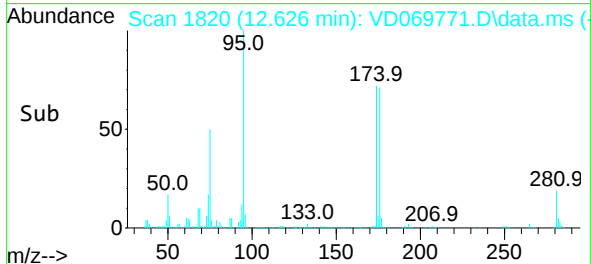
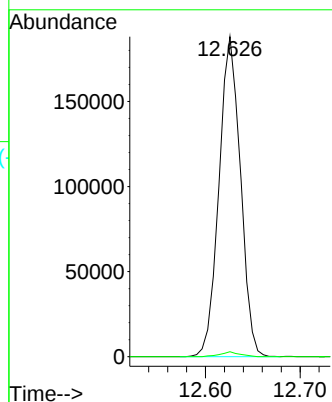
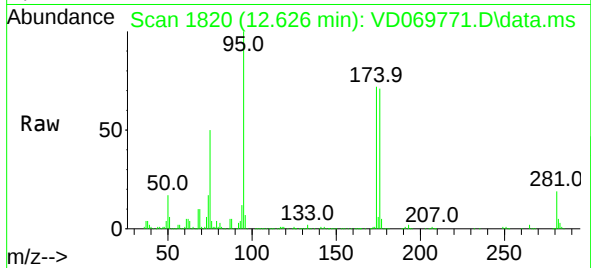




#76
1,2,3-Trichloropropane
Concen: 51.047 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

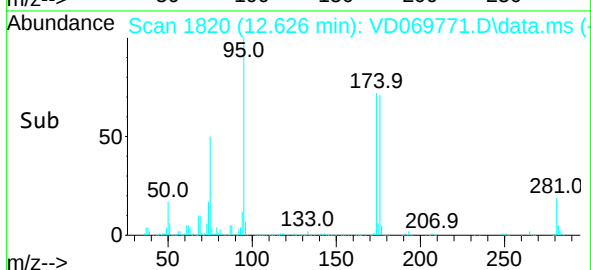
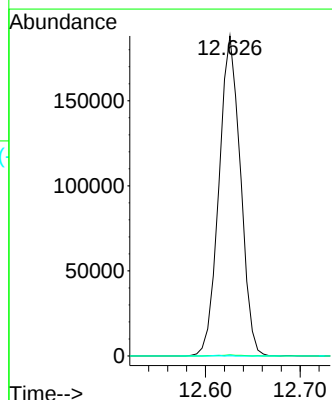
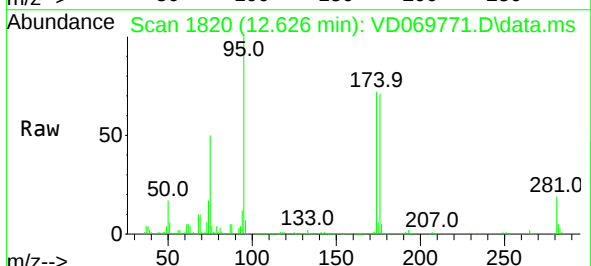
Instrument :
MSVOA_D
ClientSampleId :

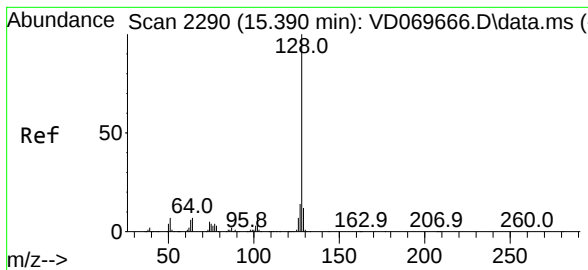
Tgt Ion: 75 Resp: 296618
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 137.186 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

Tgt Ion: 75 Resp: 296618
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.1 35.1 52.7#





#95
Naphthalene
Concen: 2.230 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.017 min
Lab File: VD069771.D
Acq: 20 Jul 2021 15:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 490
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

