

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069772.D
 Acq On : 20 Jul 2021 16:19
 Operator : VA/SY
 Sample : M3050-02
 Misc : 3.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 21 03:26:30 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)

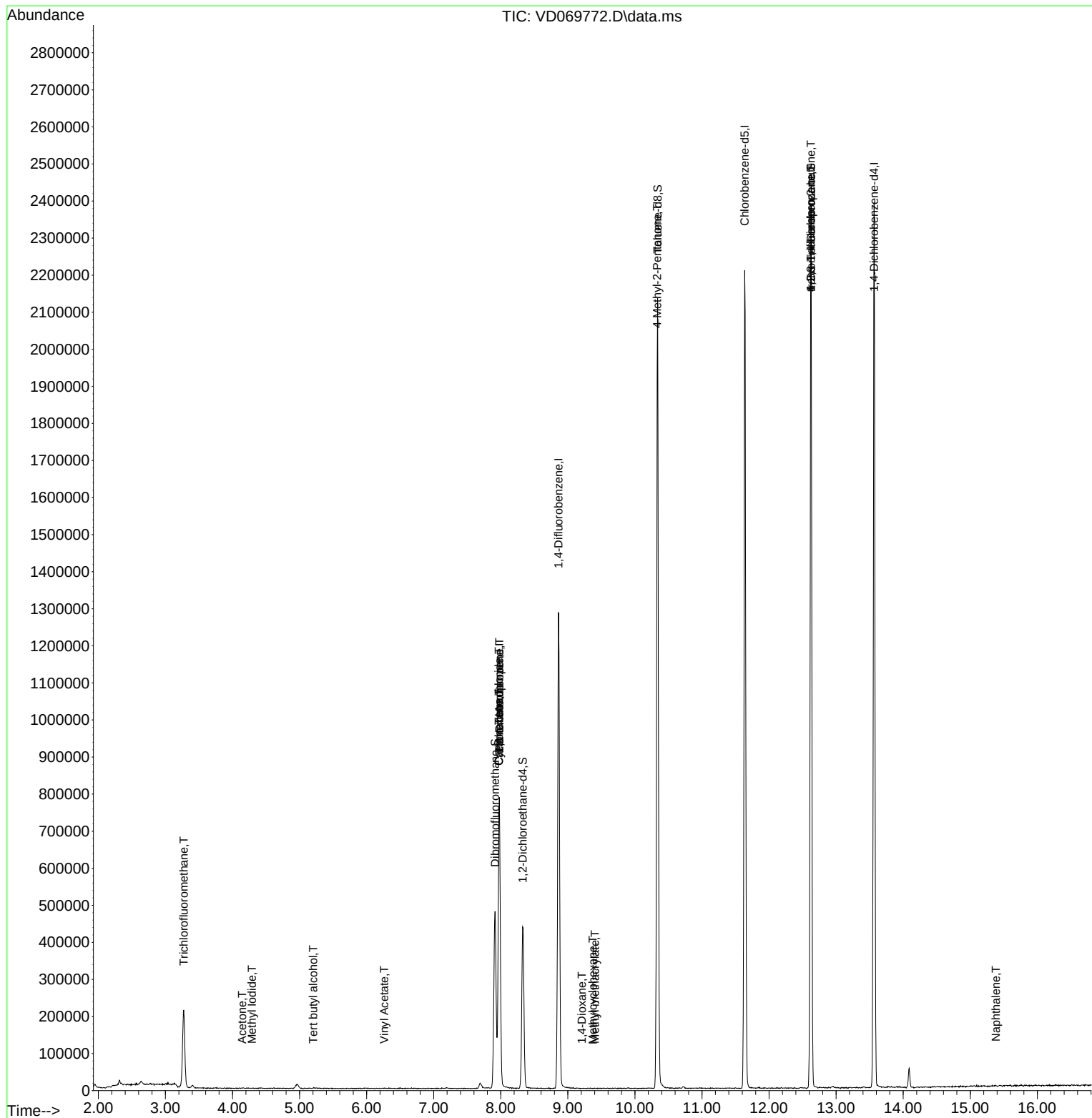
Internal Standards						
1) Pentafluorobenzene	7.979	168	540234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1069810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1278820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	621395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	347989	51.588	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.180%	
35) Dibromofluoromethane	7.914	113	358259	49.917	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.840%	
50) Toluene-d8	10.338	98	1445975	51.858	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.720%	
62) 4-Bromofluorobenzene	12.626	95	649076	69.798	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 139.600%	
Target Compounds						Qvalue
3) Chloromethane	2.203	50	798	Below Cal	#	42
5) Bromomethane	2.779	94	1817	Below Cal		82
7) Trichlorofluoromethane	3.273	101	222865	21.505	ug/l	98
10) Methyl Iodide	4.291	142	273	2.508	ug/l #	78
11) Tert butyl alcohol	5.203	59	2025	2.247	ug/l #	79
16) Acetone	4.144	43	1028	13.800	ug/l #	83
18) Methyl Acetate	4.685	43	69	Below Cal	#	49
20) Methylene Chloride	4.962	84	9535	Below Cal		88
23) Vinyl Acetate	6.261	43	56	15.430	ug/l #	72
31) Cyclohexane	7.973	56	12592	1.493	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	48929	4.433	ug/l #	49
38) Carbon Tetrachloride	7.973	117	56637	5.604	ug/l #	17
39) Methylcyclohexane	9.373	83	151	1.969	ug/l #	16
48) Methyl methacrylate	9.402	41	73	1.120	ug/l #	13
49) 1,4-Dioxane	9.208	88	74	102.589	ug/l #	20
51) 4-Methyl-2-Pentanone	10.332	43	6196	1.565	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	327288	54.217	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	327288	145.705	ug/l #	15
95) Naphthalene	15.385	128	450	2.227	ug/l #	69

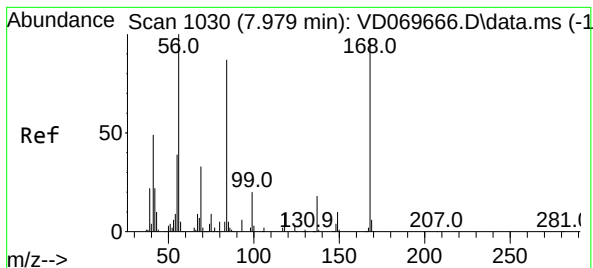
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

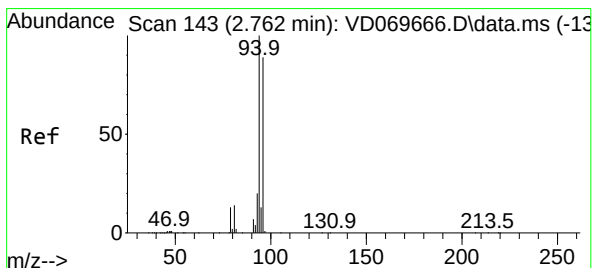
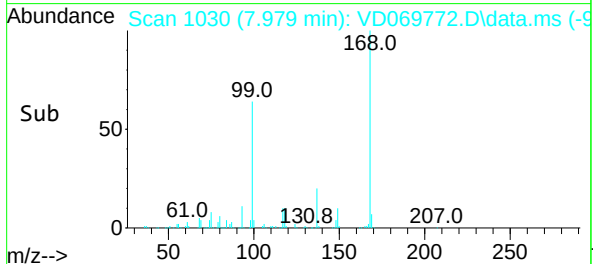
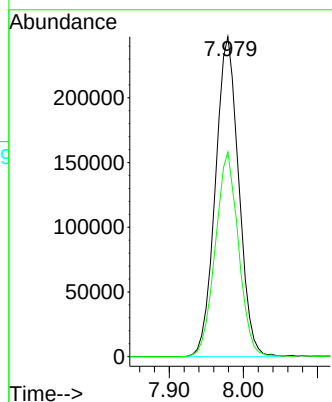
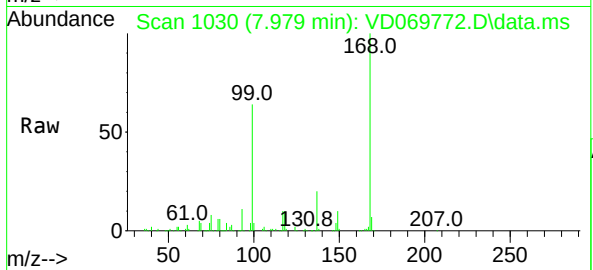




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

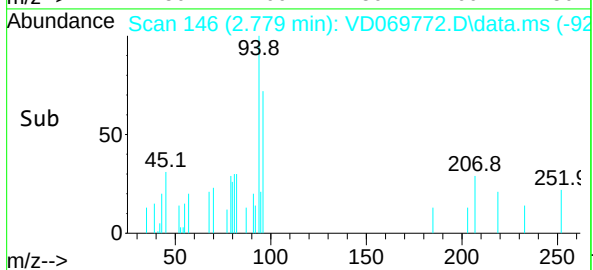
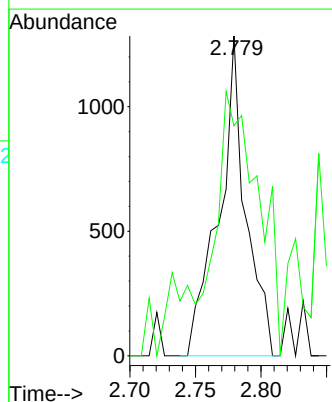
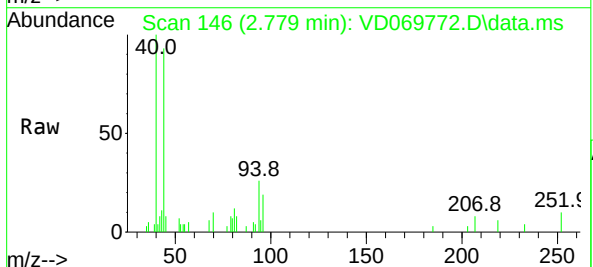
Instrument :
MSVOA_D
ClientSampled :

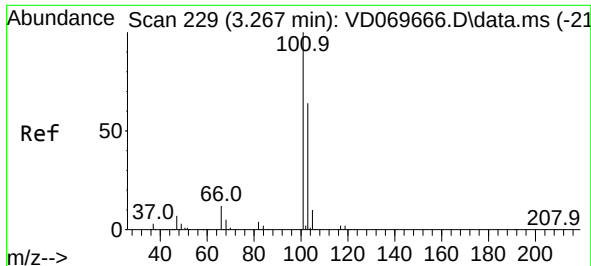
Tgt Ion:168 Resp: 540234
Ion Ratio Lower Upper
168 100
99 64.0 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

Tgt Ion: 94 Resp: 1817
Ion Ratio Lower Upper
94 100
96 72.0 71.2 106.8

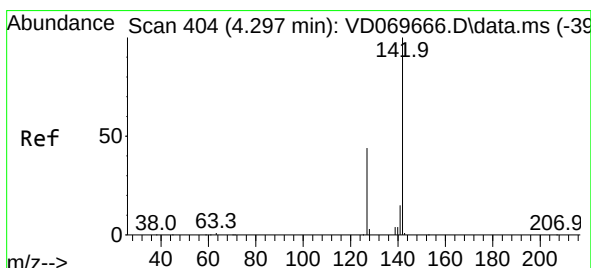
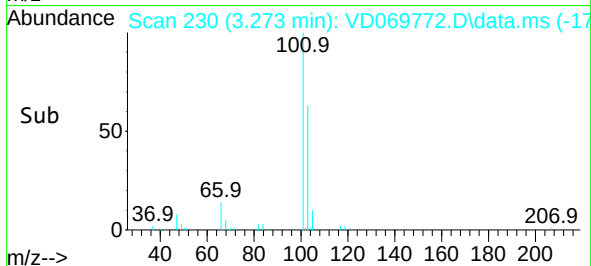
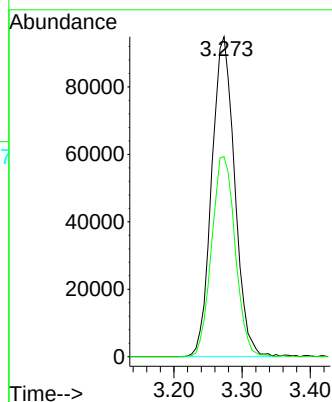
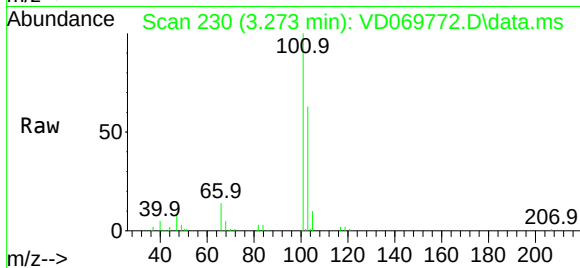




#7
Trichlorofluoromethane
Concen: 21.505 ug/l
RT: 3.273 min Scan# 230
Delta R.T. 0.006 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

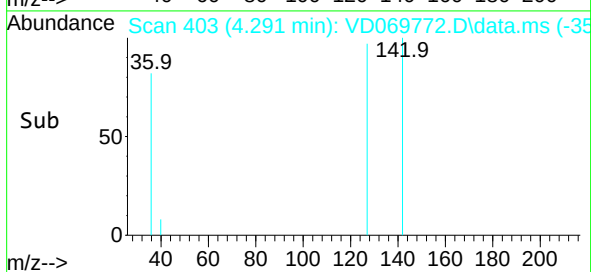
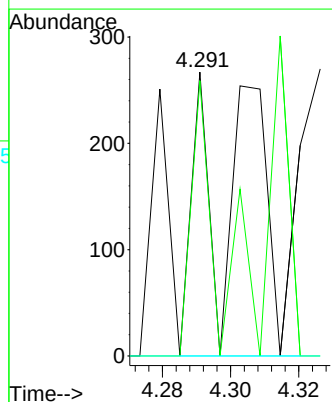
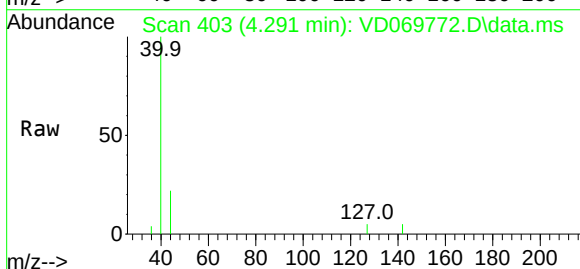
Instrument :
MSVOA_D
ClientSampled :

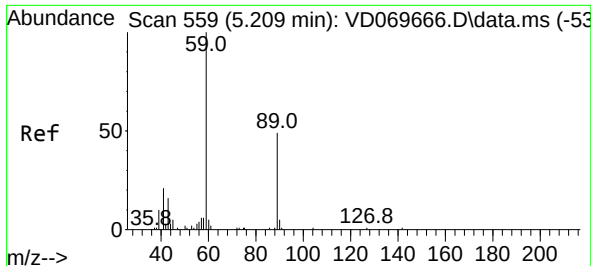
Tgt Ion:101 Resp: 222865
Ion Ratio Lower Upper
101 100
103 62.5 51.4 77.0



#10
Methyl Iodide
Concen: 2.508 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

Tgt Ion:142 Resp: 273
Ion Ratio Lower Upper
142 100
127 33.3 36.1 54.1#
141 0.0 11.6 17.4#

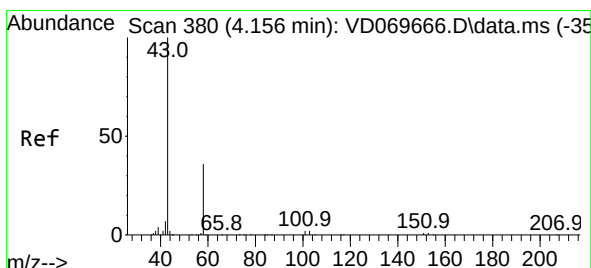
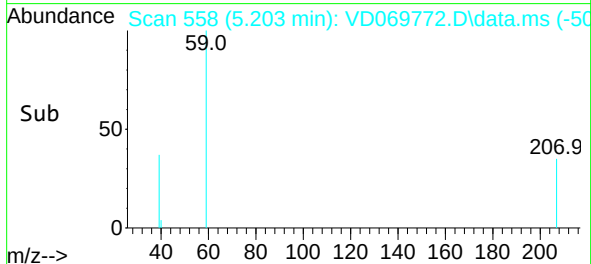
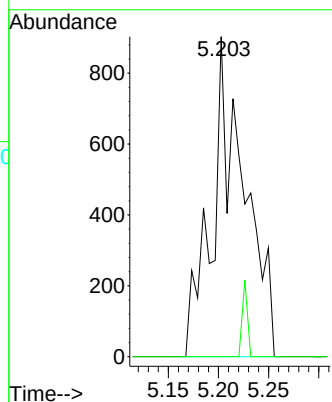
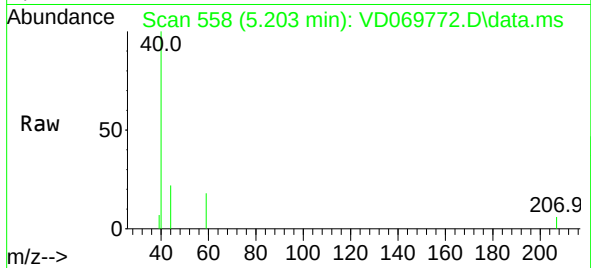




#11
Tert butyl alcohol
Concen: 2.247 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.006 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

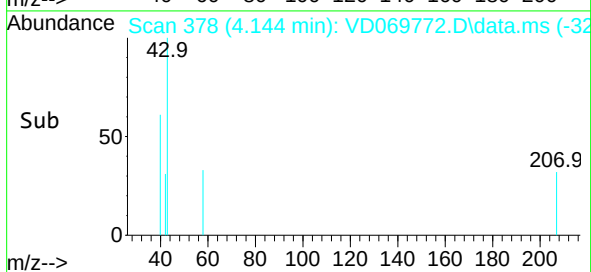
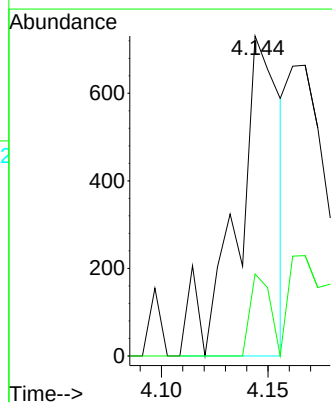
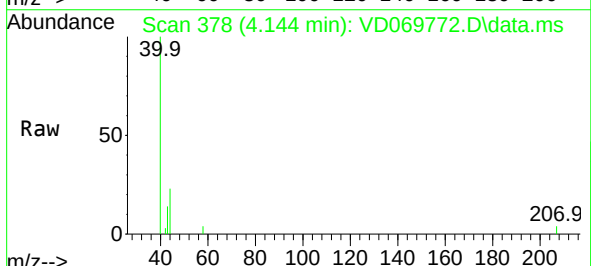
Instrument :
MSVOA_D
ClientSampled :

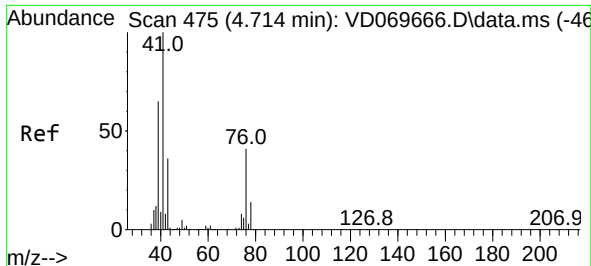
Tgt Ion: 59 Resp: 2025
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#



#16
Acetone
Concen: 13.800 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

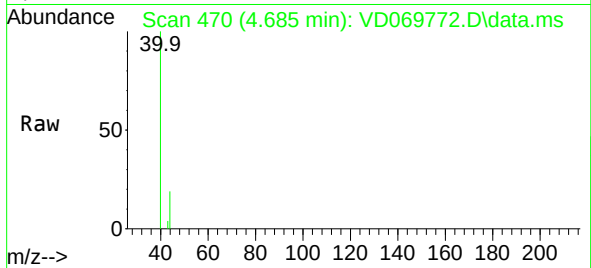
Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
58 25.6 28.6 42.8#



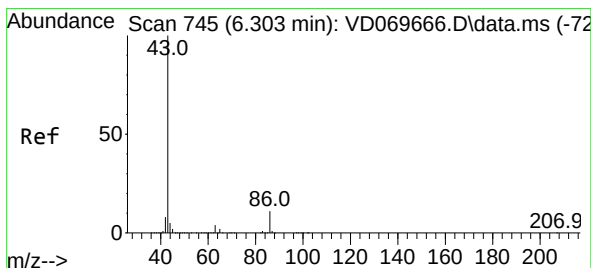
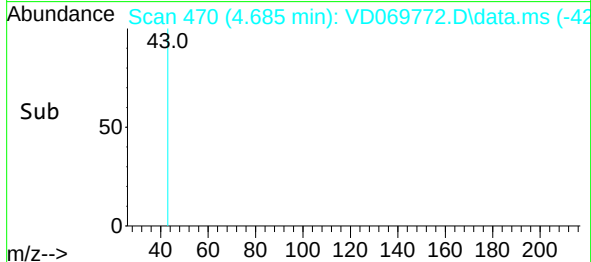
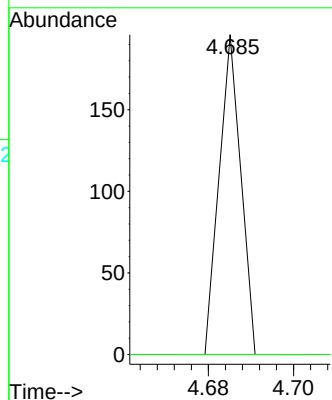


#18
Methyl Acetate
Concen: Below Cal
RT: 4.685 min Scan# 470
Delta R.T. -0.029 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

Instrument :
MSVOA_D
ClientSampled :

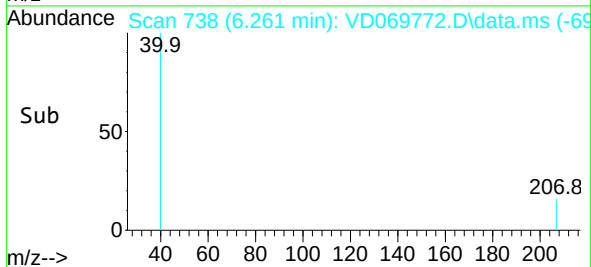
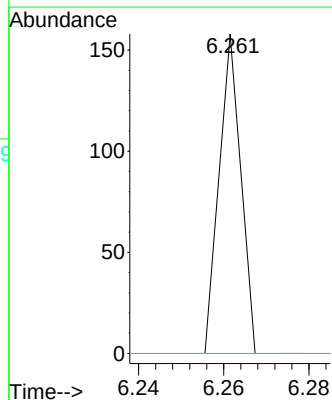
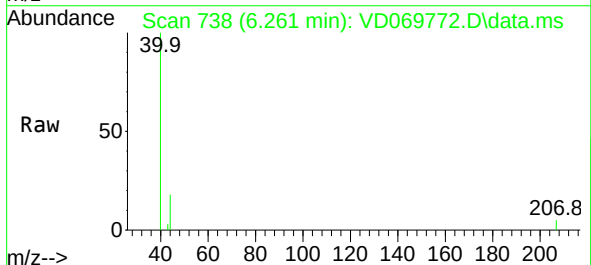


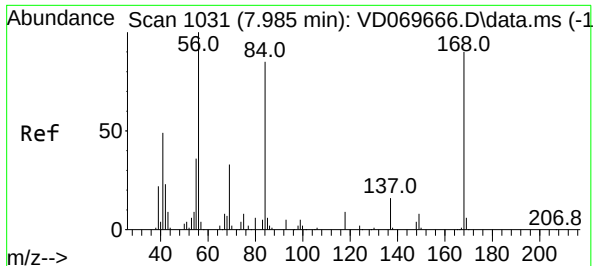
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#23
Vinyl Acetate
Concen: 15.430 ug/l
RT: 6.261 min Scan# 738
Delta R.T. -0.042 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#





#31

Cyclohexane

Concen: 1.493 ug/l

RT: 7.973 min Scan# 1029

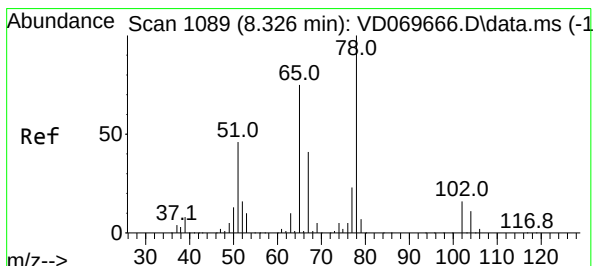
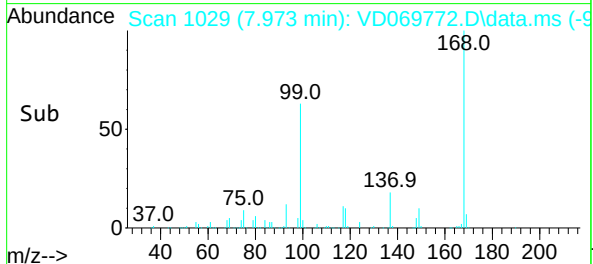
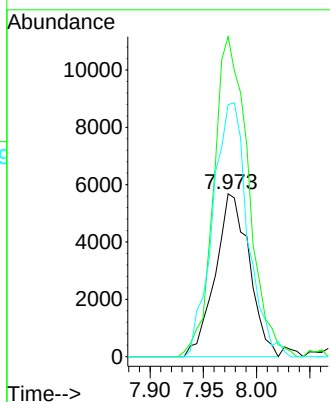
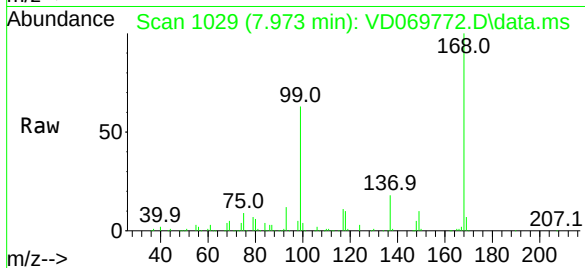
Delta R.T. -0.012 min

Lab File: VD069772.D

Acq: 20 Jul 2021 16:19

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	56	Resp:	12592
Ion	Ratio	Lower	Upper
56	100		
69	196.4	26.6	39.8#
84	162.6	68.2	102.2#



#33

1,2-Dichloroethane-d4

Concen: 51.588 ug/l

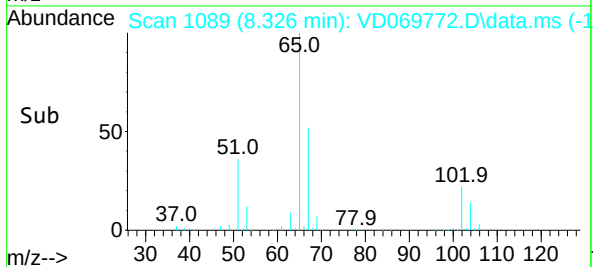
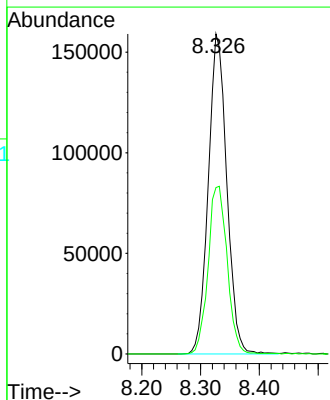
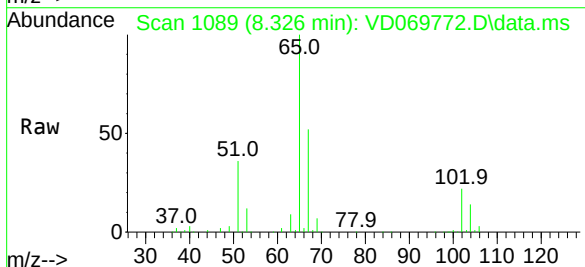
RT: 8.326 min Scan# 1089

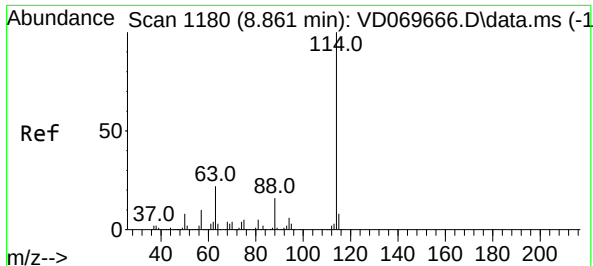
Delta R.T. 0.000 min

Lab File: VD069772.D

Acq: 20 Jul 2021 16:19

Tgt Ion:	65	Resp:	347989
Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	107.2

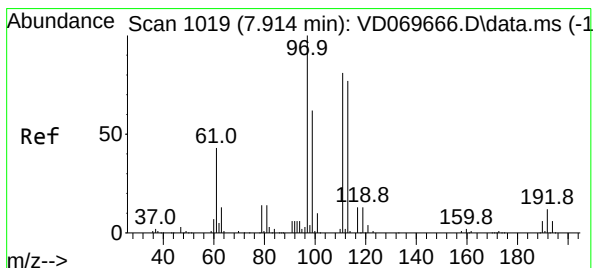
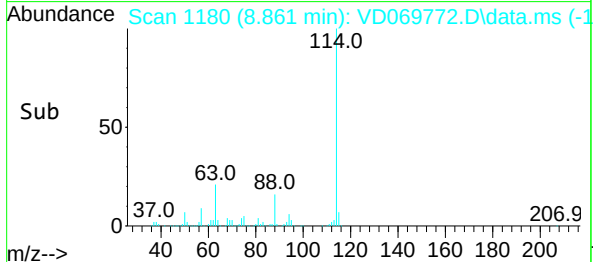
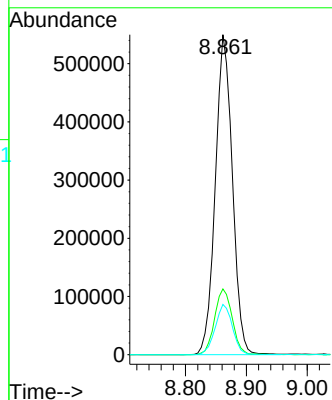
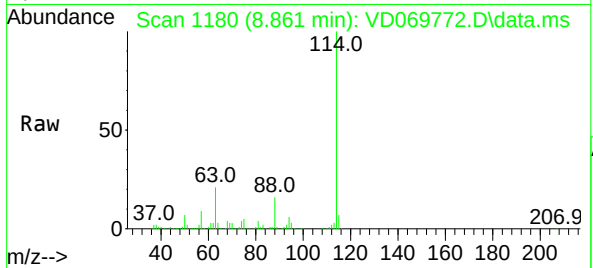




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

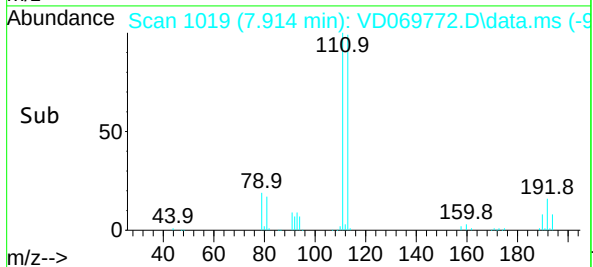
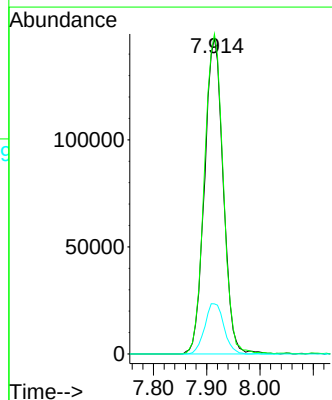
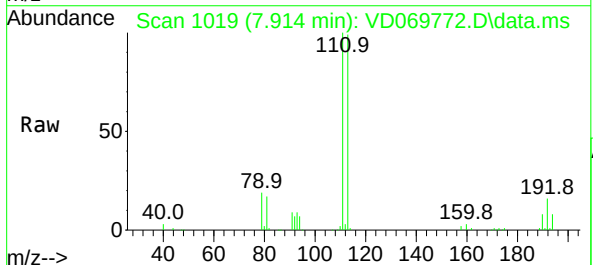
Instrument :
MSVOA_D
ClientSampled :

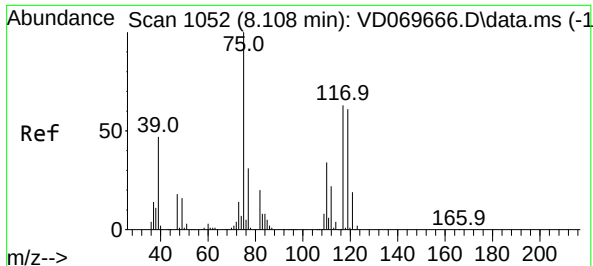
Tgt Ion:114 Resp: 1069810
Ion Ratio Lower Upper
114 100
63 20.6 0.0 43.4
88 15.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.917 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

Tgt Ion:113 Resp: 358259
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 16.4 12.7 19.1



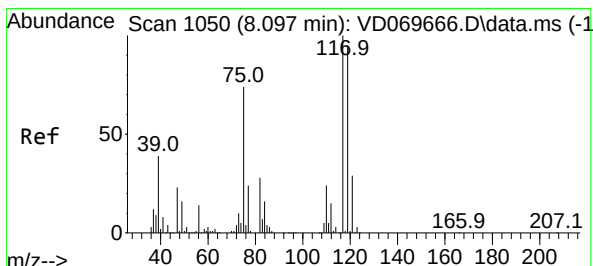
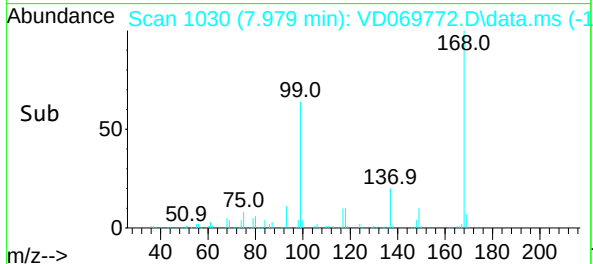
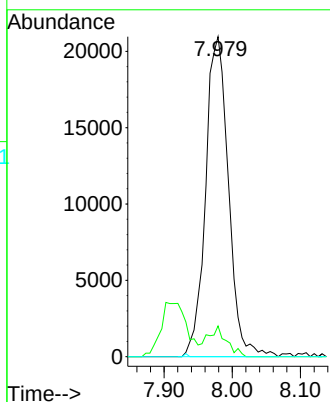
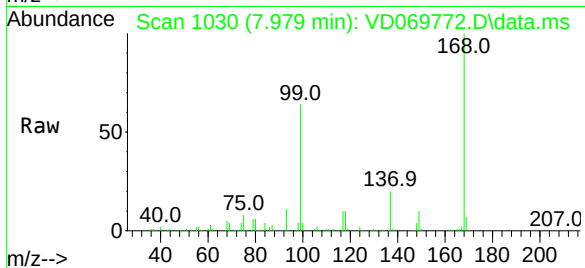


#36

1,1-Dichloropropene
Concen: 4.433 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

Instrument :
MSVOA_D
ClientSampled :

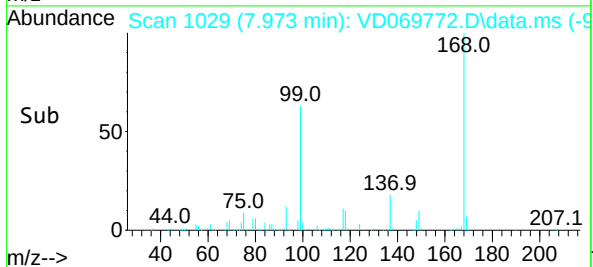
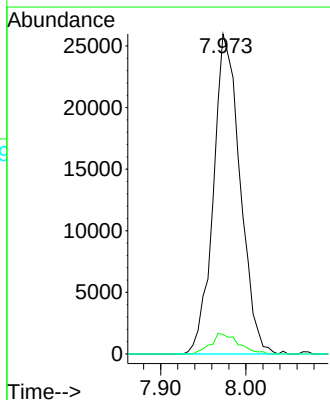
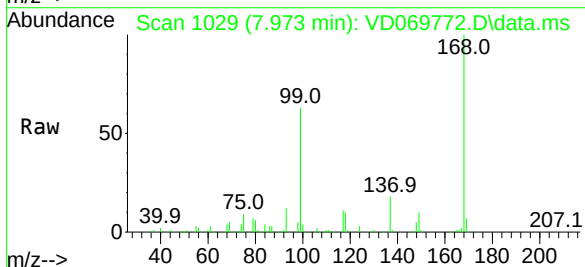
Tgt Ion: 75 Resp: 48929
Ion Ratio Lower Upper
75 100
110 8.1 16.7 50.0#
77 0.0 25.3 37.9#

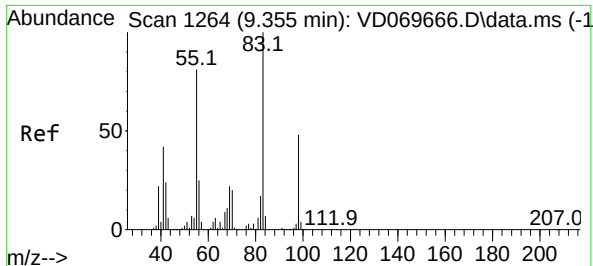


#38

Carbon Tetrachloride
Concen: 5.604 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

Tgt Ion: 117 Resp: 56637
Ion Ratio Lower Upper
117 100
119 6.0 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 1.969 ug/l

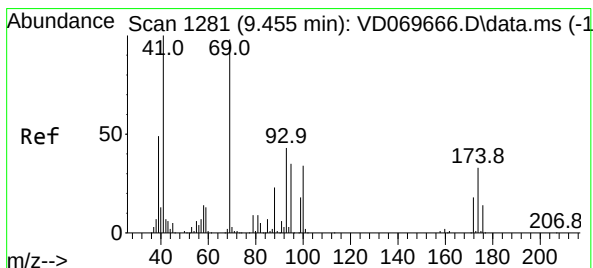
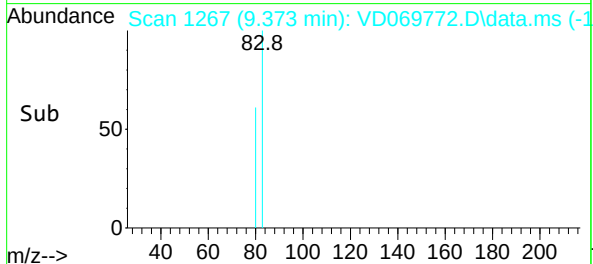
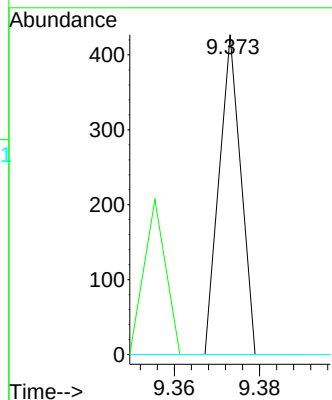
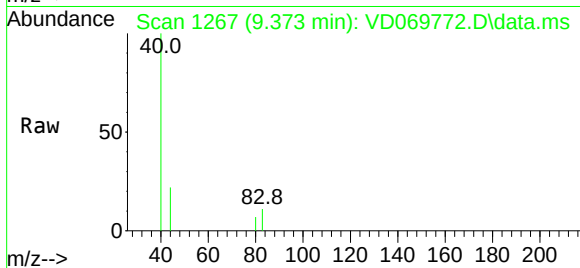
RT: 9.373 min Scan# 1267

Delta R.T. 0.018 min

Lab File: VD069772.D

Acq: 20 Jul 2021 16:19

Tgt Ion: 83	Resp: 151
Ion Ratio	Lower Upper
83 100	
55 0.0	64.6 97.0#
98 0.0	38.4 57.6#



#48

Methyl methacrylate

Concen: 1.120 ug/l

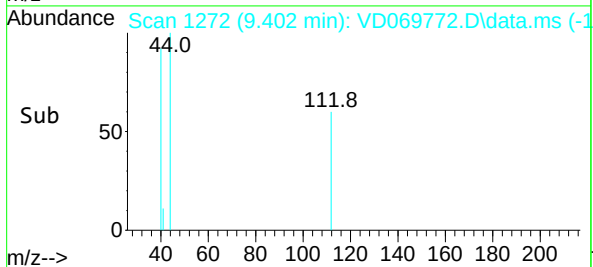
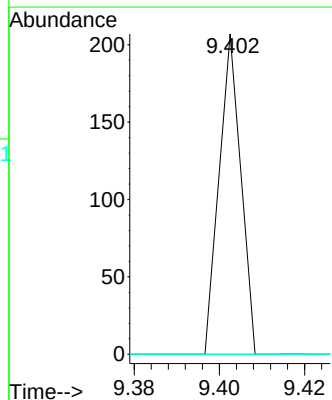
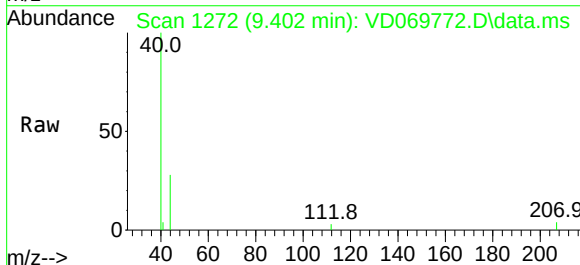
RT: 9.402 min Scan# 1272

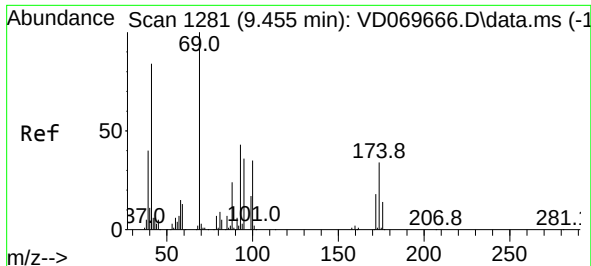
Delta R.T. -0.053 min

Lab File: VD069772.D

Acq: 20 Jul 2021 16:19

Tgt Ion: 41	Resp: 73
Ion Ratio	Lower Upper
41 100	
69 0.0	71.6 107.4#
39 0.0	36.7 55.1#

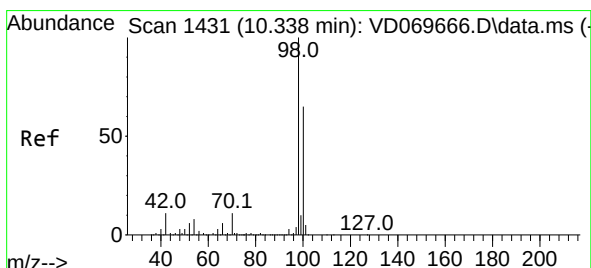
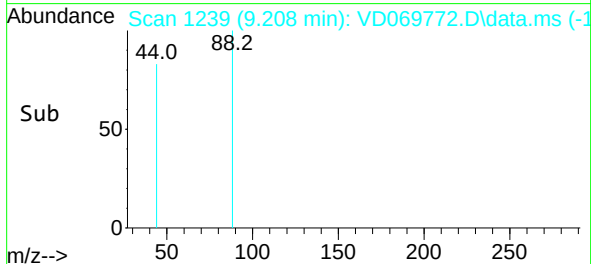
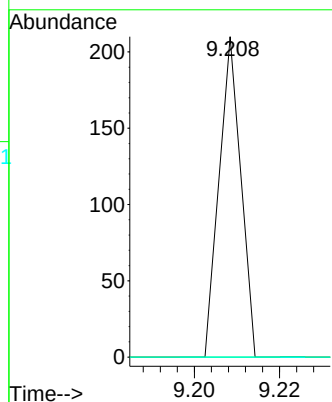
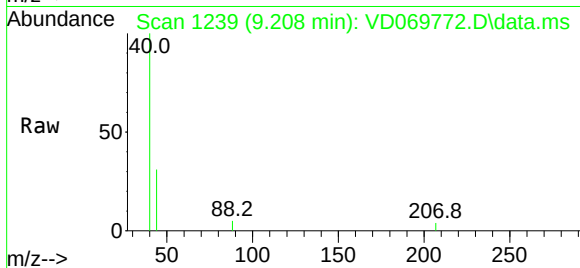




#49
1,4-Dioxane
Concen: 102.589 ug/l
RT: 9.208 min Scan# 1239
Delta R.T. -0.247 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

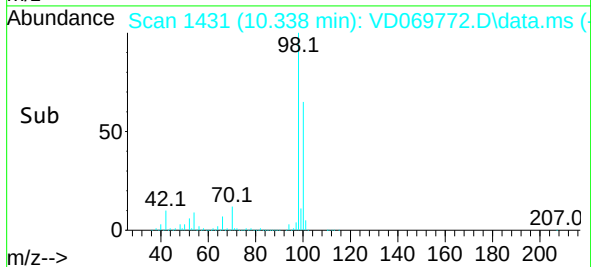
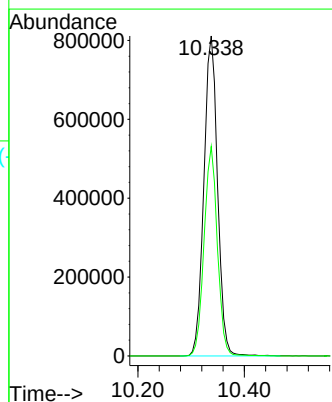
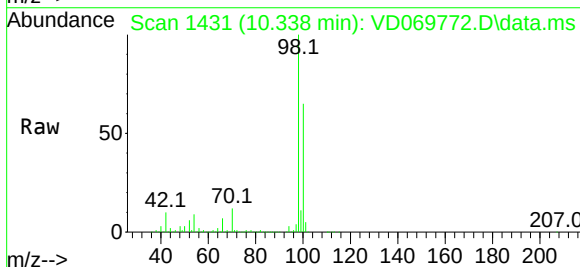
Instrument :
MSVOA_D
ClientSampled :

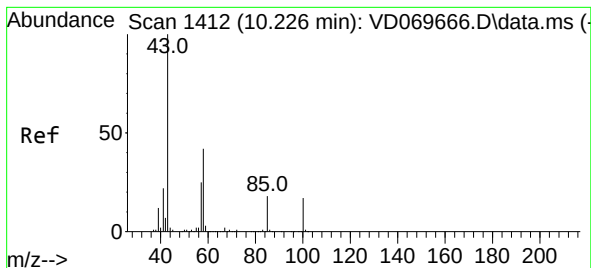
Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 0.0 62.6 94.0#



#50
Toluene-d8
Concen: 51.858 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

Tgt Ion: 98 Resp: 1445975
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.2

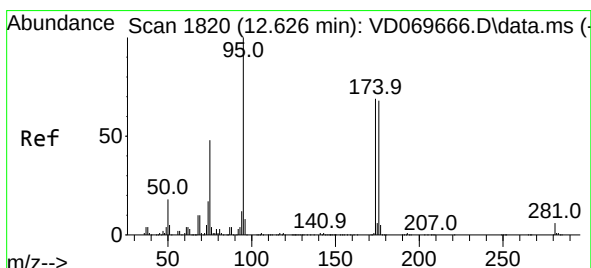
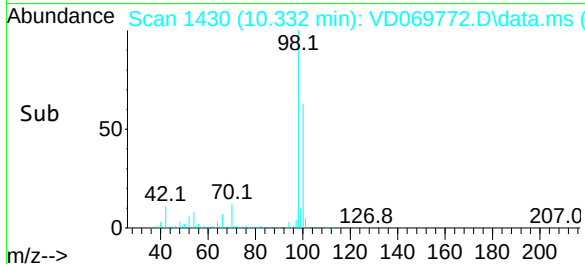
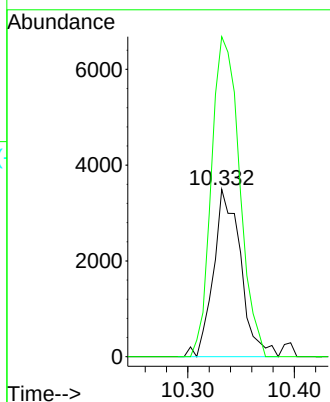
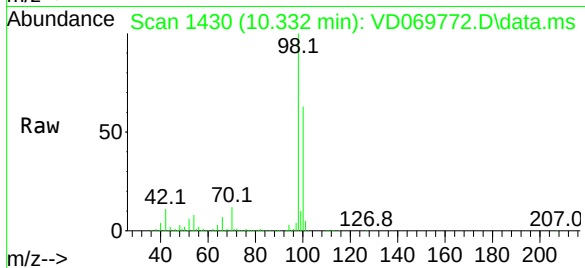




#51
4-Methyl-2-Pentanone
Concen: 1.565 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

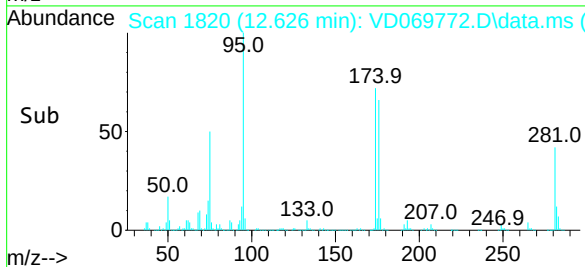
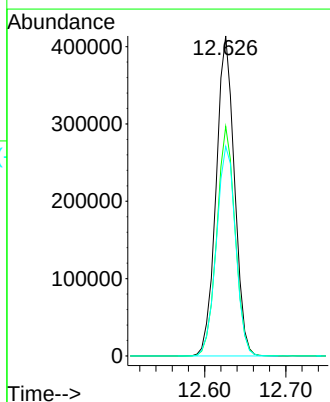
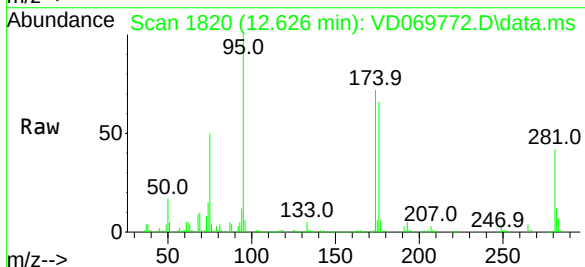
Instrument :
MSVOA_D
ClientSampled :

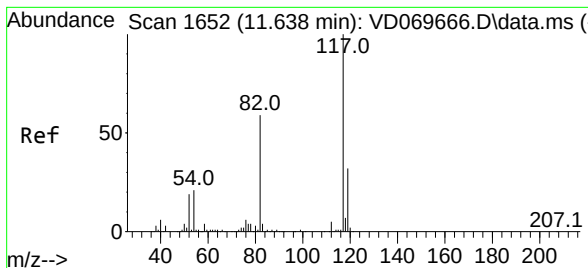
Tgt Ion: 43 Resp: 6196
Ion Ratio Lower Upper
43 100
58 198.0 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 69.798 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

Tgt Ion: 95 Resp: 649076
Ion Ratio Lower Upper
95 100
174 71.5 0.0 140.0
176 68.5 0.0 136.2

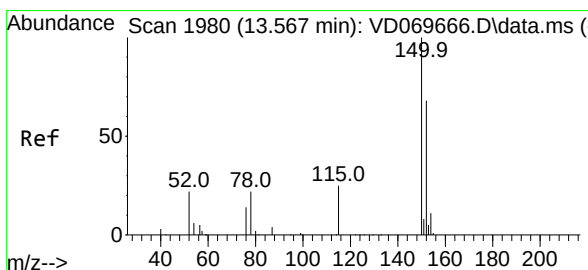
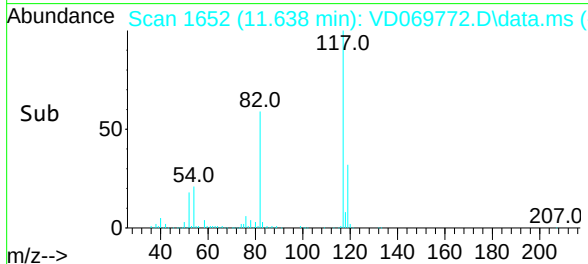
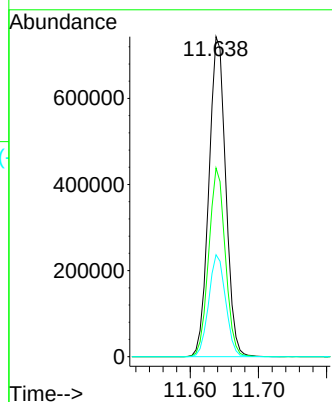
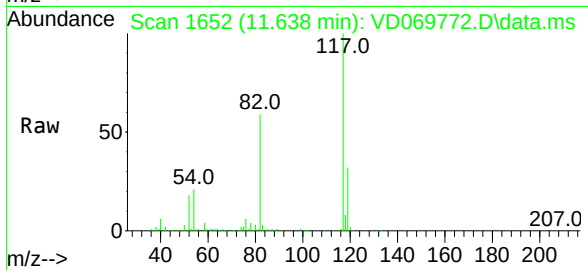




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

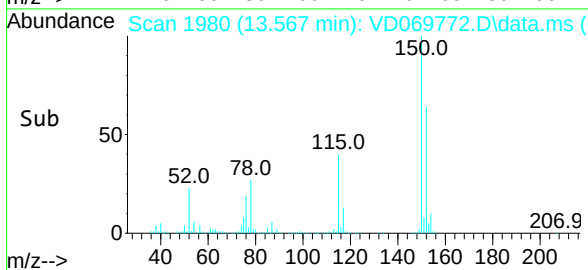
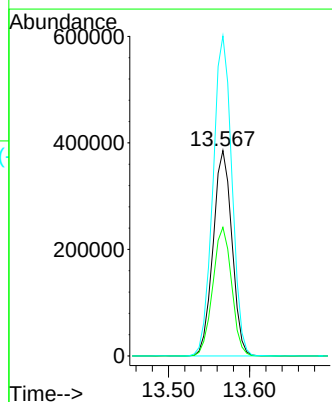
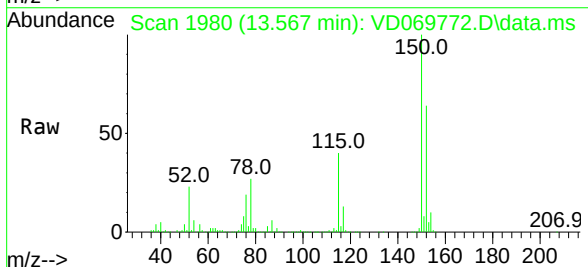
Instrument :
MSVOA_D
ClientSampleId :

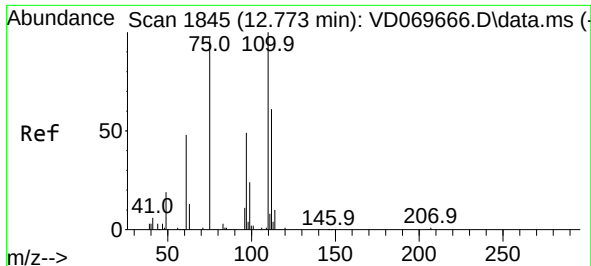
Tgt Ion:117 Resp: 1278820
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

Tgt Ion:152 Resp: 621395
Ion Ratio Lower Upper
152 100
115 62.6 31.7 95.1
150 156.8 0.0 350.4

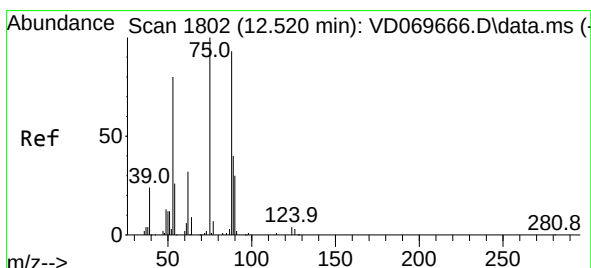
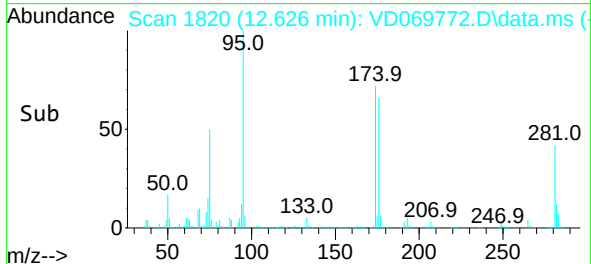
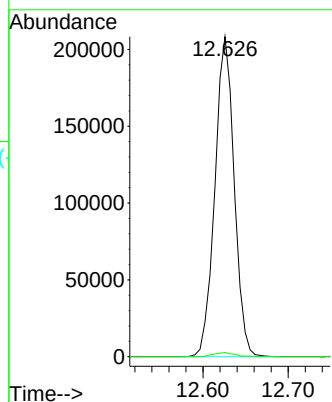
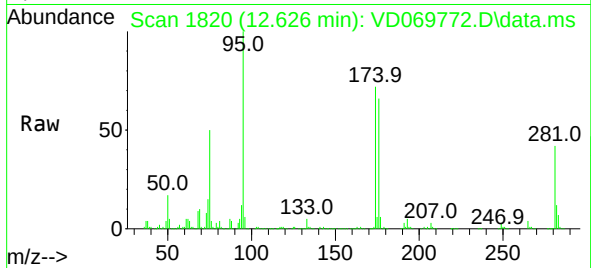




#76
1,2,3-Trichloropropane
Concen: 54.217 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

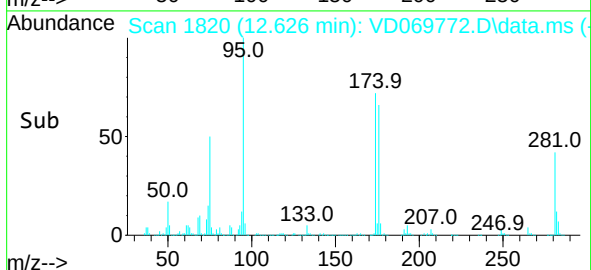
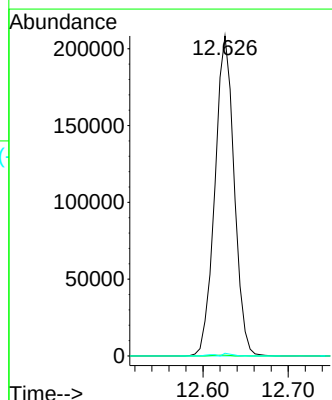
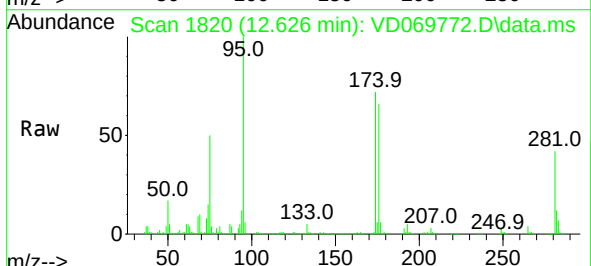
Instrument :
MSVOA_D
ClientSampleId :

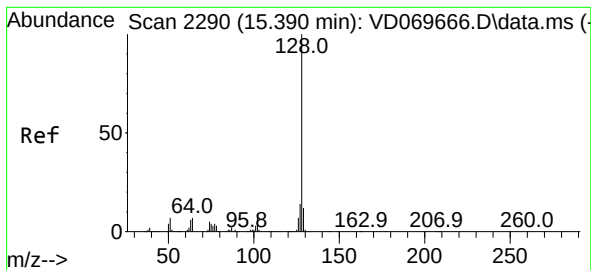
Tgt Ion: 75 Resp: 327288
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.705 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

Tgt Ion: 75 Resp: 327288
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.6 35.1 52.7#





#95
Naphthalene
Concen: 2.227 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069772.D
Acq: 20 Jul 2021 16:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 450
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

