

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068984.D
 Acq On : 18 Oct 2021 17:14
 Operator : JC/MD
 Sample : M4243-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:38:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	350807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	601737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	574326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	216369	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	227698	49.229	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.460%
35) Dibromofluoromethane	8.024	113	178857	51.088	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.180%
50) Toluene-d8	10.443	98	756991	54.040	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.080%
62) 4-Bromofluorobenzene	12.733	95	270225	51.130	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.260%

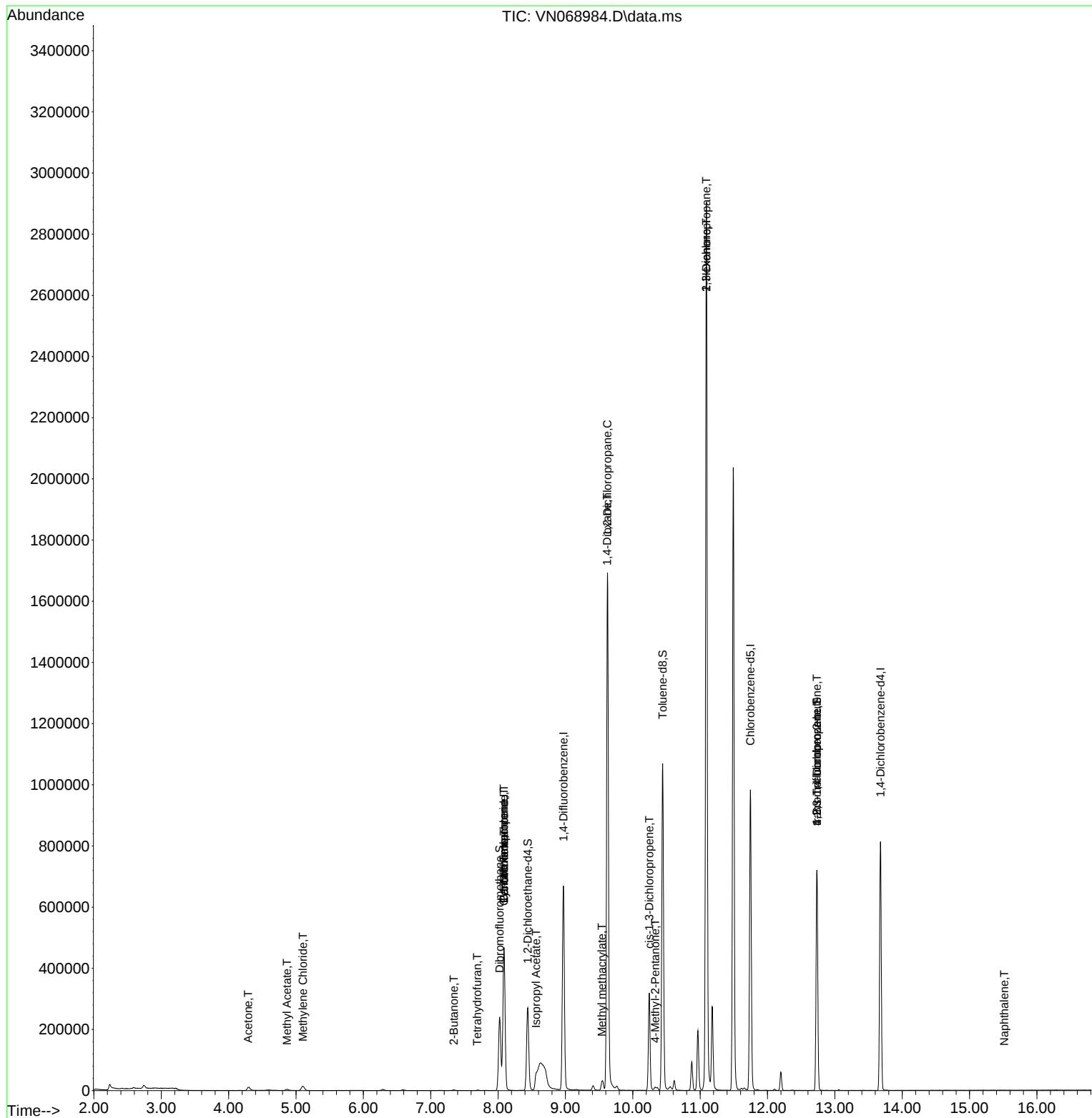
Target Compounds				Qvalue		
16) Acetone	4.288	43	21626	12.529	ug/l	97
18) Methyl Acetate	4.867	43	8972	1.370	ug/l #	90
20) Methylene Chloride	5.103	84	12224	3.077	ug/l	98
25) 2-Butanone	7.343	43	3828	1.467	ug/l	94
29) Tetrahydrofuran	7.689	42	542	0.320	ug/l #	40
31) Cyclohexane	8.086	56	7842	1.090	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	28753	5.594	ug/l #	49
38) Carbon Tetrachloride	8.088	117	36605	6.485	ug/l #	16
43) Isopropyl Acetate	8.566	43	51233	5.470	ug/l #	83
45) 1,2-Dichloropropane	9.622	63	2076	0.511	ug/l #	43
48) Methyl methacrylate	9.542	41	8682	1.973	ug/l #	13
49) 1,4-Dioxane	9.620	88	118	36.960	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	5867	1.080	ug/l #	87
54) cis-1,3-Dichloropropene	10.245	75	60209	8.893	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	32169	4.914	ug/l #	42
59) 2-Hexanone	11.092	43	453252	116.379	ug/l #	50
76) 1,2,3-Trichloropropane	12.733	75	139990	30.408	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	139990	72.749	ug/l #	12
95) Naphthalene	15.517	128	361	3.845	ug/l #	69

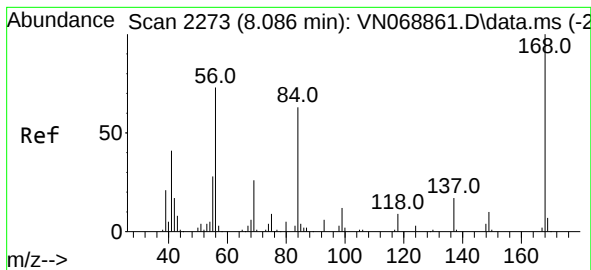
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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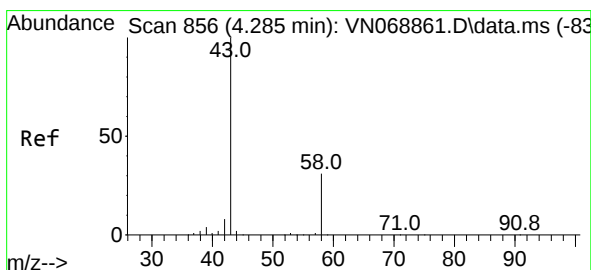
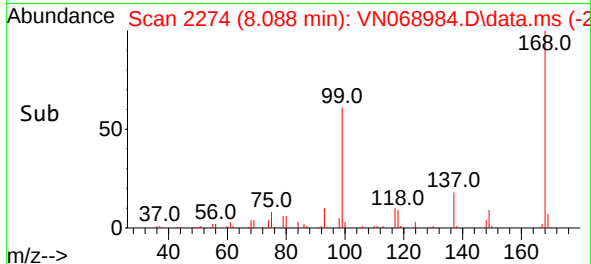
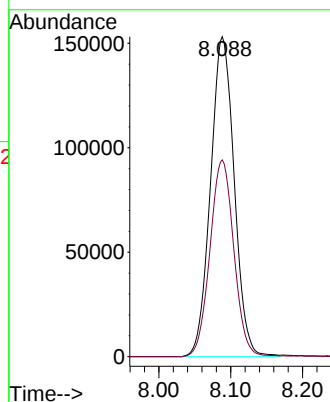
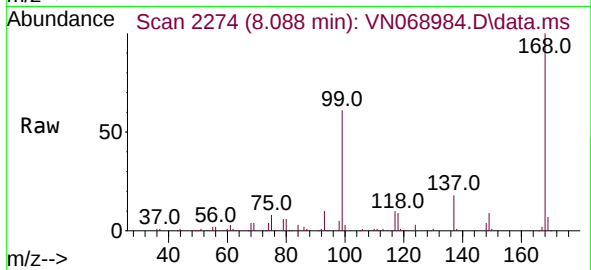




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

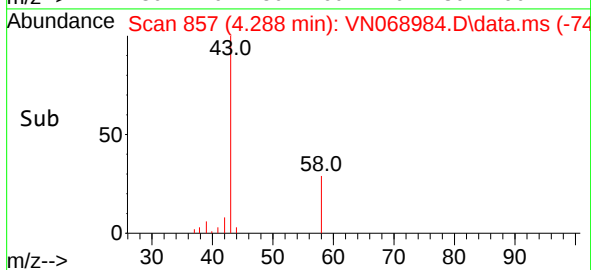
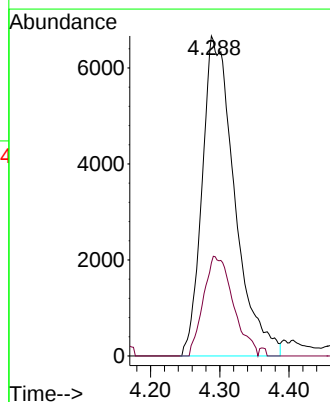
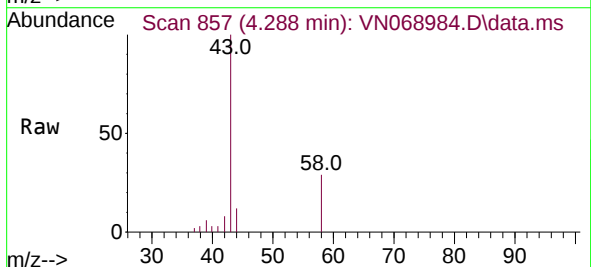
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 350807
Ion Ratio Lower Upper
168 100
99 61.5 48.9 73.3



#16
Acetone
Concen: 12.529 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.003 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

Tgt Ion: 43 Resp: 21626
Ion Ratio Lower Upper
43 100
58 29.1 24.5 36.7

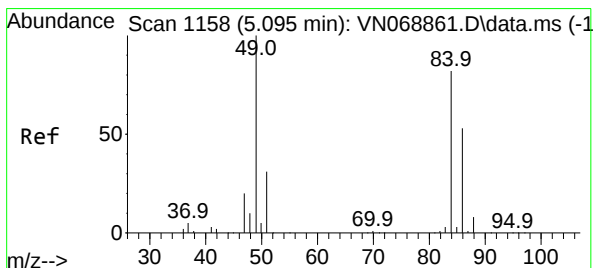
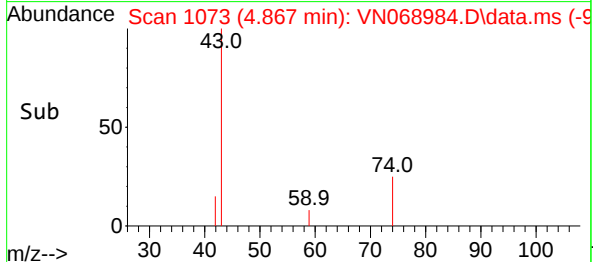
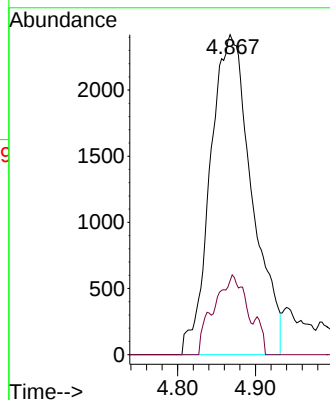
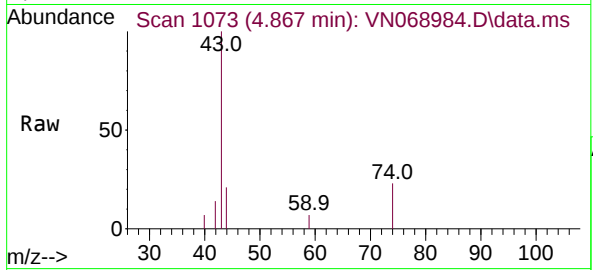




#18
Methyl Acetate
Concen: 1.370 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

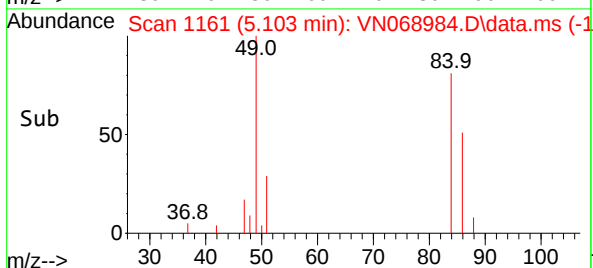
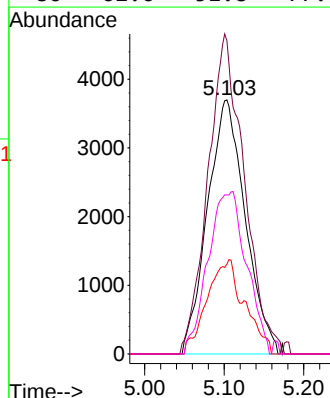
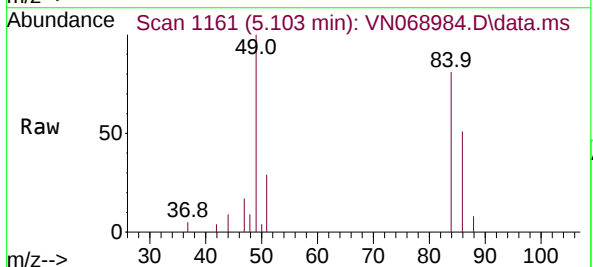
Instrument :
MSVOA_N
ClientSampled :

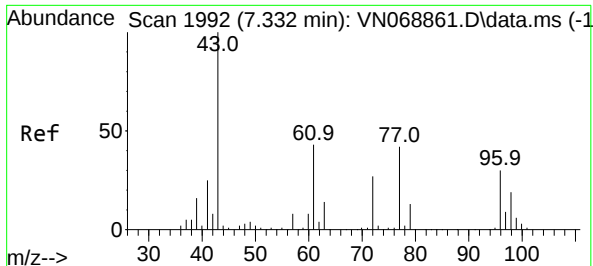
Tgt Ion: 43 Resp: 8972
Ion Ratio Lower Upper
43 100
74 18.9 18.9 28.3#



#20
Methylene Chloride
Concen: 3.077 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

Tgt Ion: 84 Resp: 12224
Ion Ratio Lower Upper
84 100
49 123.2 97.6 146.4
51 35.3 30.3 45.5
86 62.6 51.8 77.6

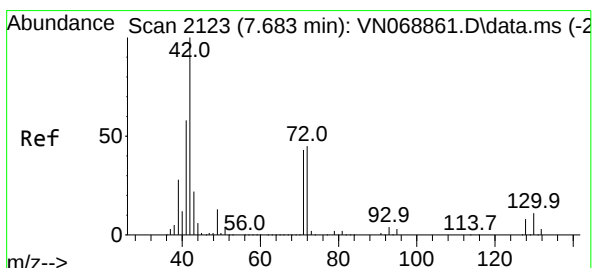
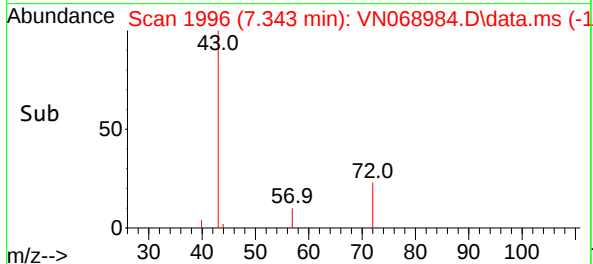
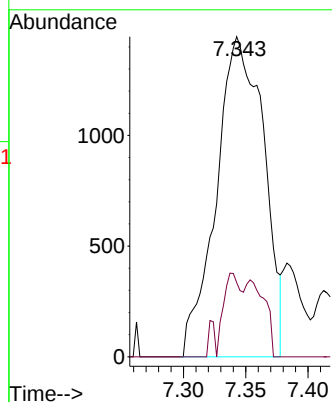
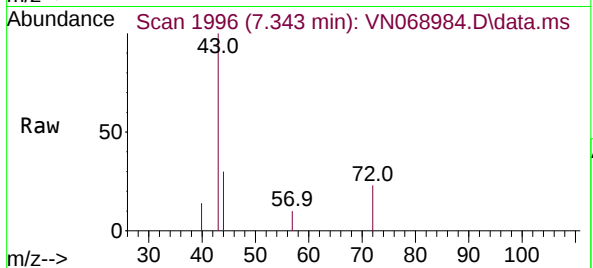




#25
2-Butanone
Concen: 1.467 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

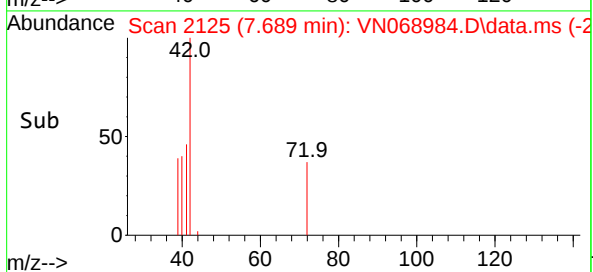
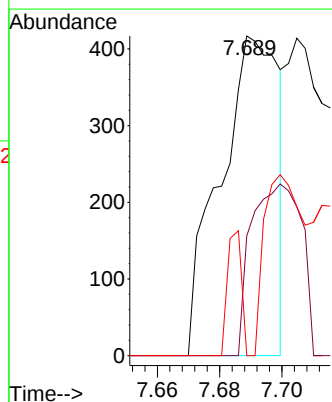
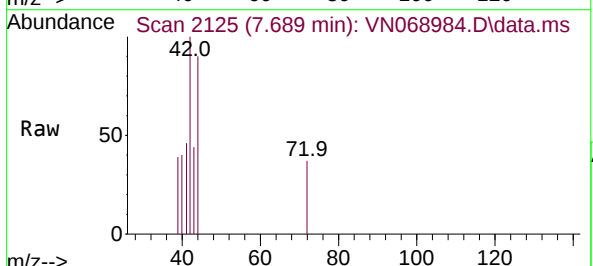
Instrument :
MSVOA_N
ClientSampled :

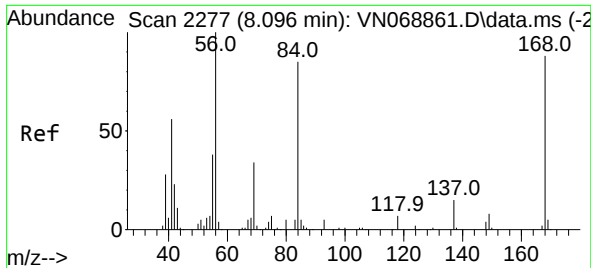
Tgt Ion: 43 Resp: 3828
Ion Ratio Lower Upper
43 100
72 23.2 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.320 ug/l
RT: 7.689 min Scan# 2125
Delta R.T. 0.005 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

Tgt Ion: 42 Resp: 542
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 9.4 33.8 50.6#

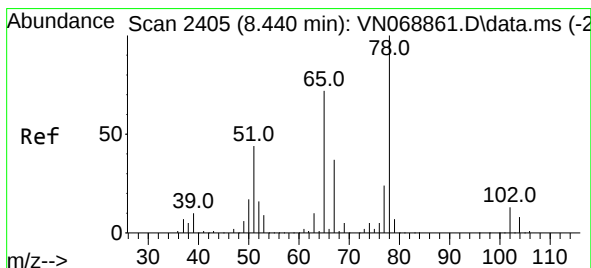
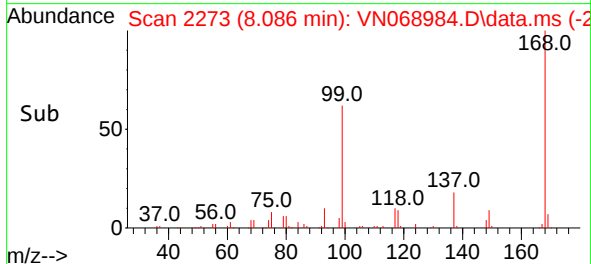
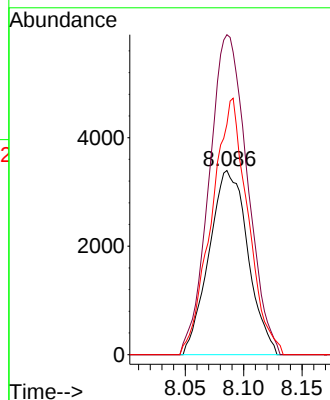
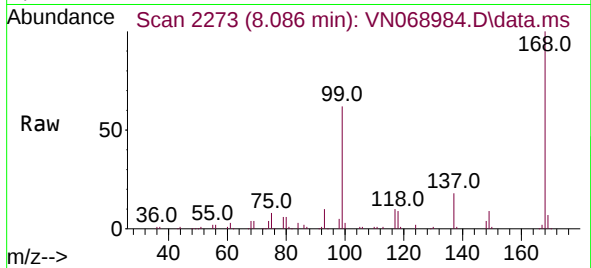




#31
Cyclohexane
Concen: 1.090 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

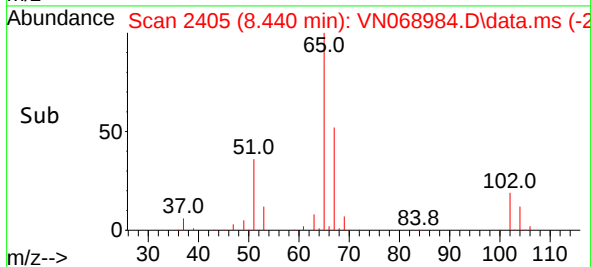
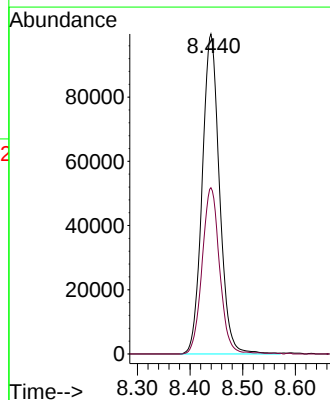
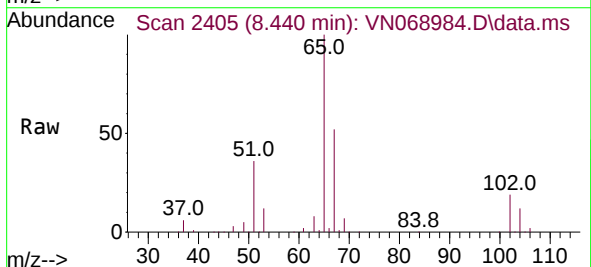
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 7842
Ion Ratio Lower Upper
56 100
69 173.8 26.9 40.3#
84 125.1 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.229 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

Tgt Ion: 65 Resp: 227698
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.8

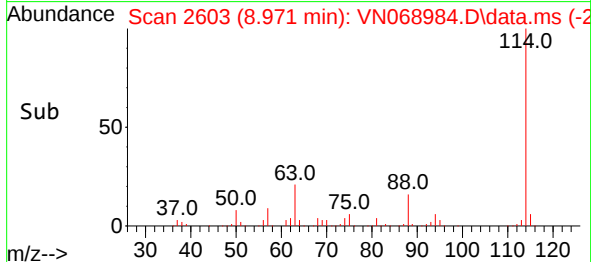
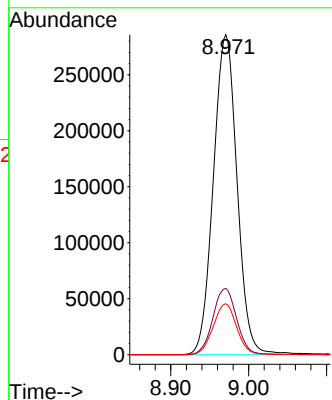
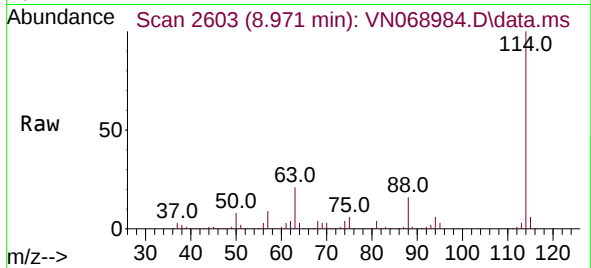




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

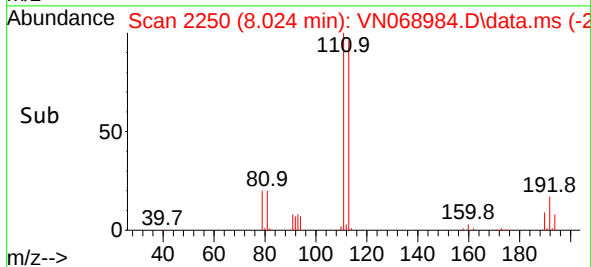
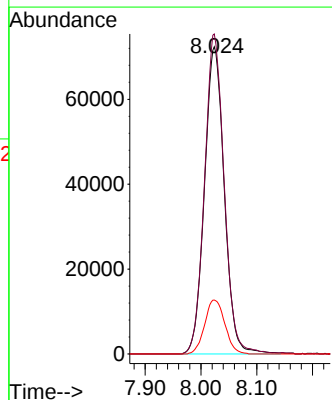
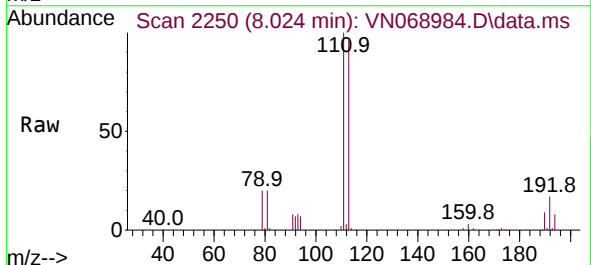
Instrument :
MSVOA_N
ClientSampled :

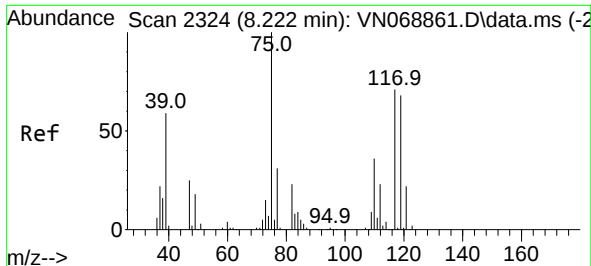
Tgt Ion:114 Resp: 601737
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.088 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

Tgt Ion:113 Resp: 178857
Ion Ratio Lower Upper
113 100
111 103.2 83.2 124.8
192 17.9 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.594 ug/l

RT: 8.088 min Scan# 2274

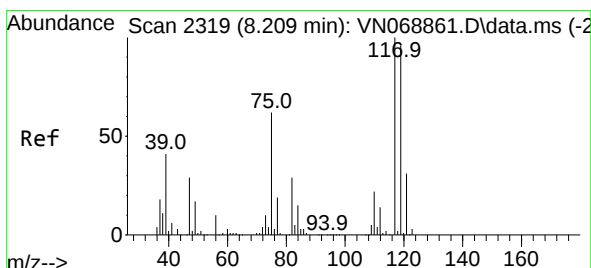
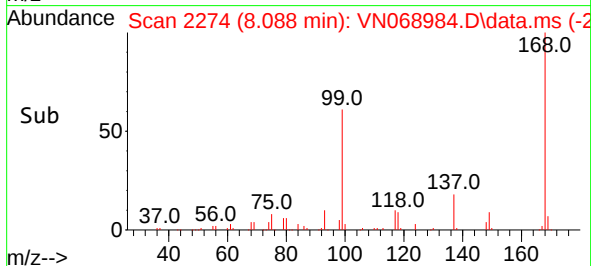
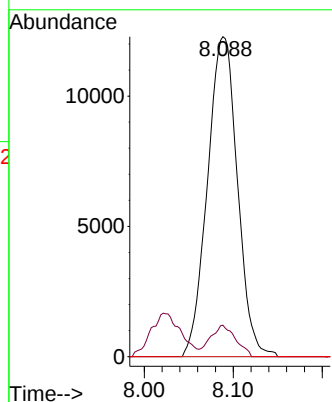
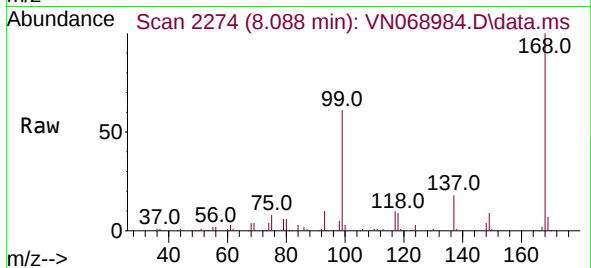
Delta R.T. -0.134 min

Lab File: VN068984.D

Acq: 18 Oct 2021 17:14

Tgt Ion:	75	Resp:	28753
Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.9	53.8#
77	0.0	24.7	37.1#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.485 ug/l

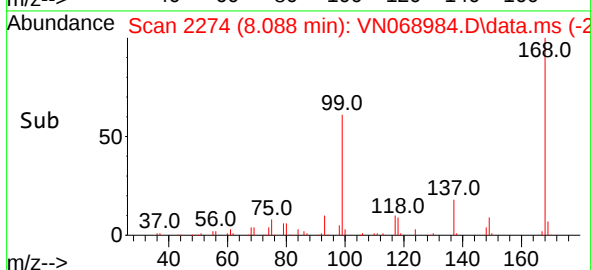
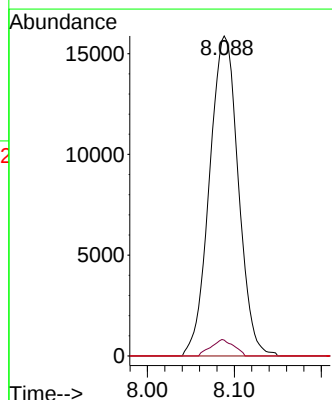
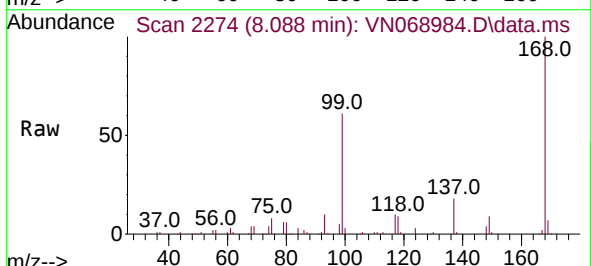
RT: 8.088 min Scan# 2274

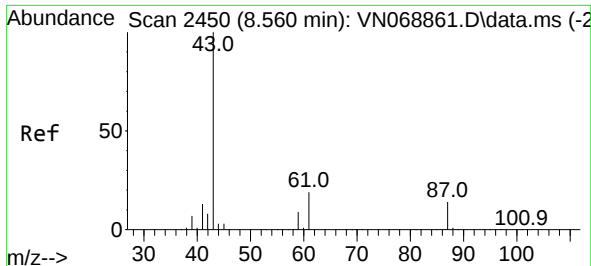
Delta R.T. -0.121 min

Lab File: VN068984.D

Acq: 18 Oct 2021 17:14

Tgt Ion:	117	Resp:	36605
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.9	115.3#
121	0.0	24.6	37.0#

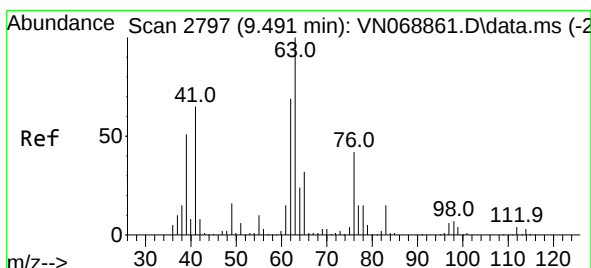
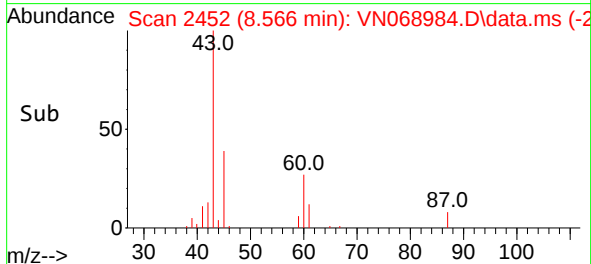
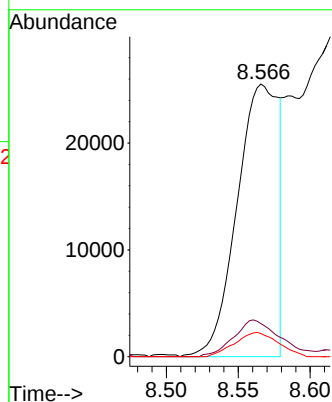
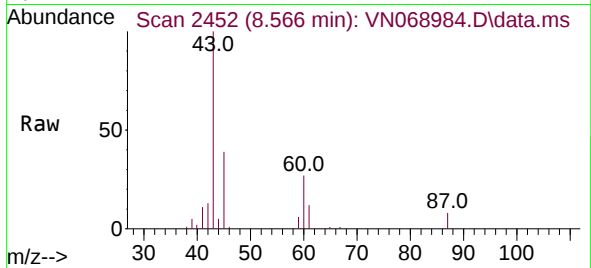




#43
Isopropyl Acetate
Concen: 5.470 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

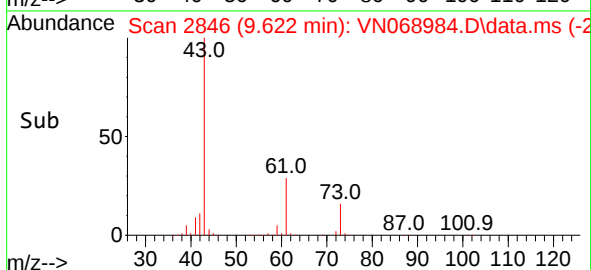
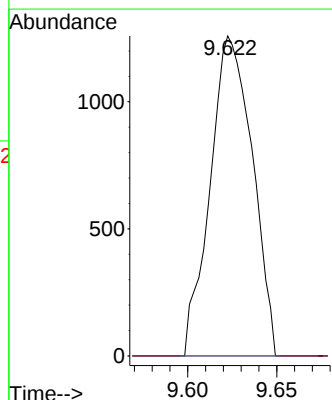
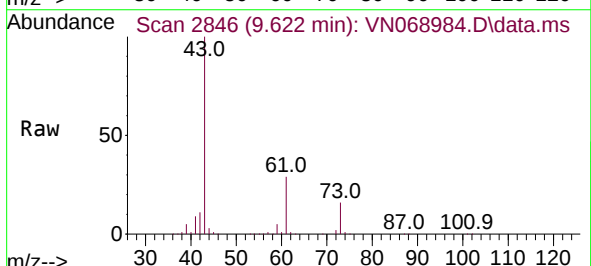
Instrument :
MSVOA_N
ClientSampled :

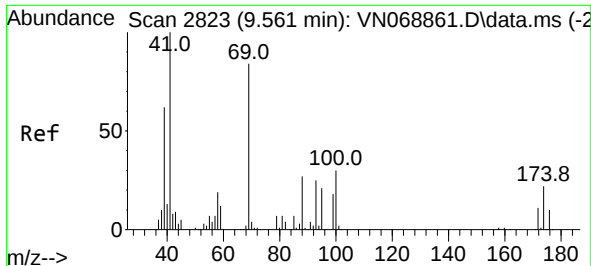
Tgt Ion: 43 Resp: 51233
Ion Ratio Lower Upper
43 100
61 15.1 20.4 30.6#
87 9.3 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.511 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

Tgt Ion: 63 Resp: 2076
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

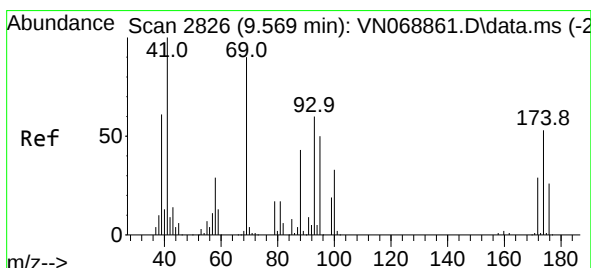
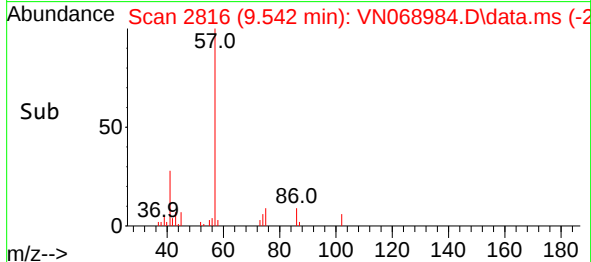
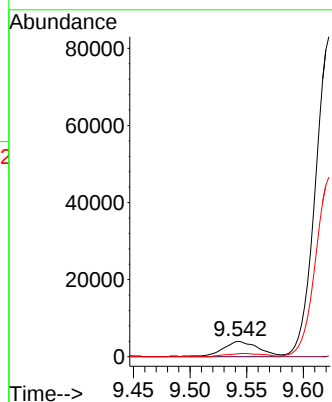
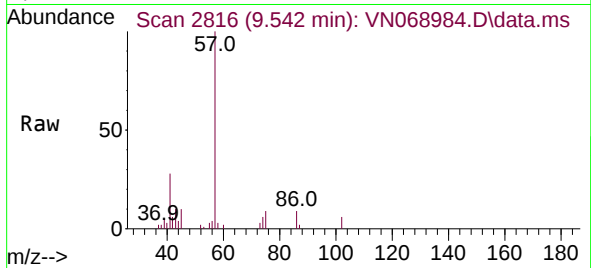




#48
Methyl methacrylate
Concen: 1.973 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

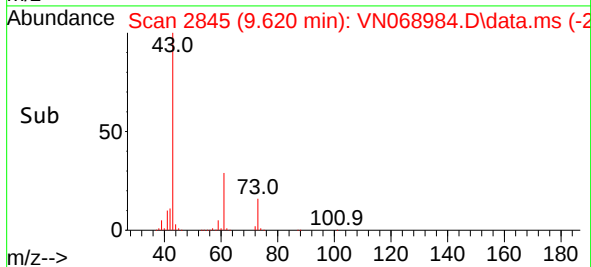
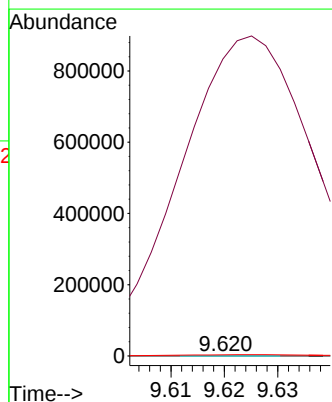
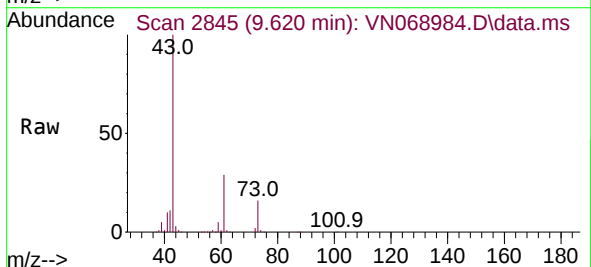
Instrument :
MSVOA_N
ClientSampled :

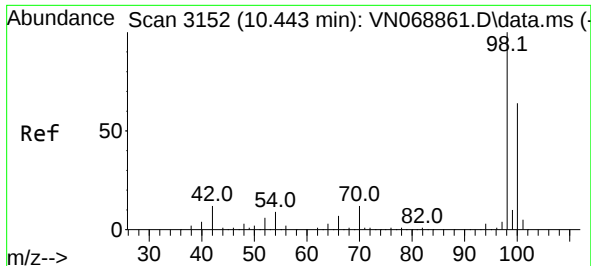
Tgt Ion: 41 Resp: 8682
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.960 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.051 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

Tgt Ion: 88 Resp: 118
Ion Ratio Lower Upper
88 100
43 1469184.7 24.9 37.3#
58 5736.4 56.9 85.3#

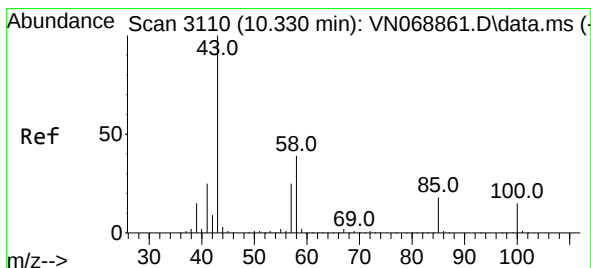
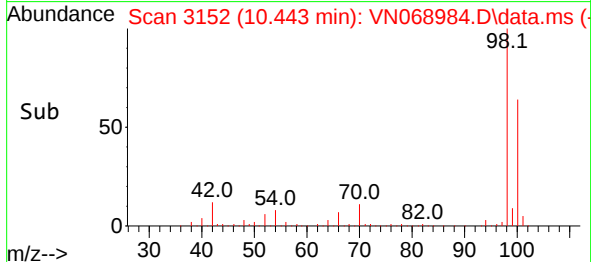
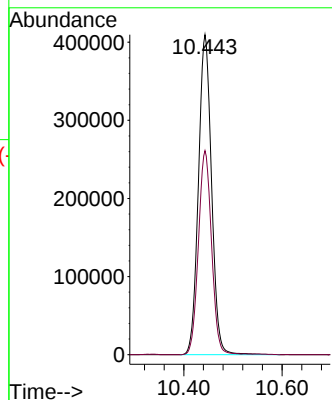
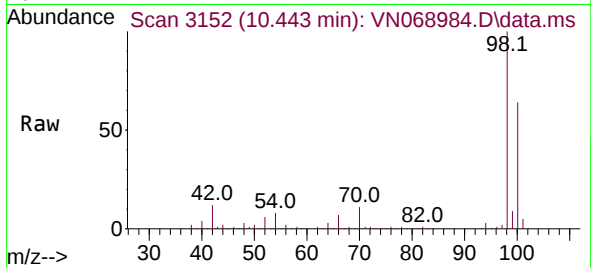




#50
Toluene-d8
Concen: 54.040 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

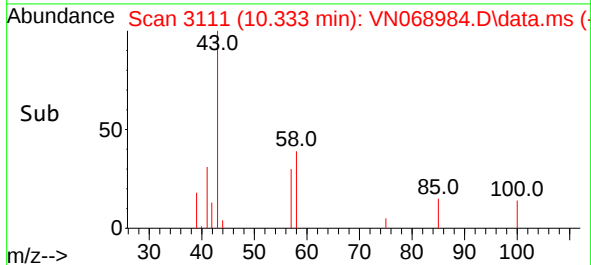
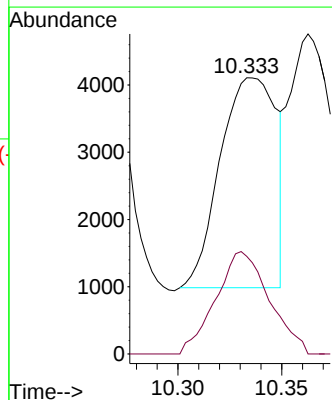
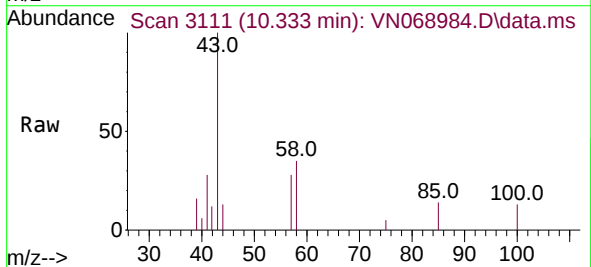
Instrument :
MSVOA_N
ClientSampled :

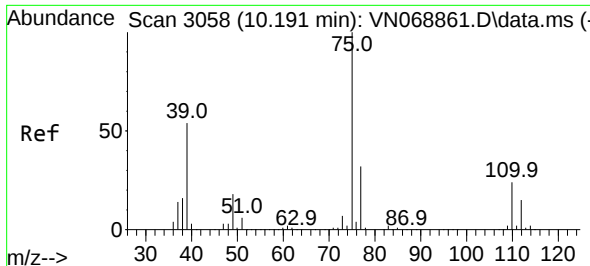
Tgt Ion: 98 Resp: 756991
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.080 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

Tgt Ion: 43 Resp: 5867
Ion Ratio Lower Upper
43 100
58 46.5 31.0 46.4#

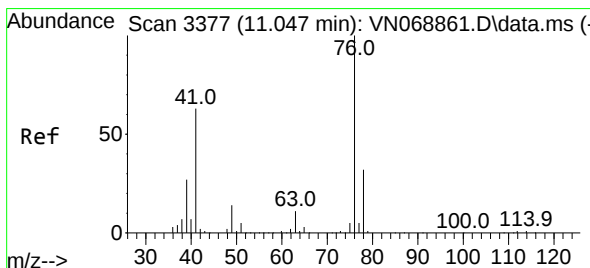
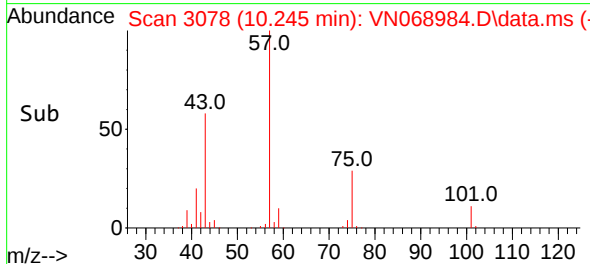
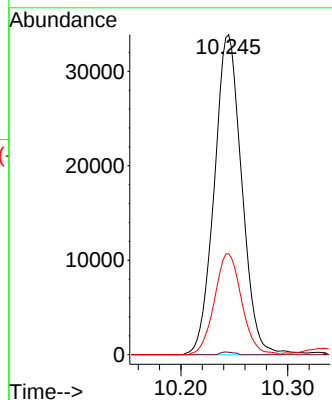
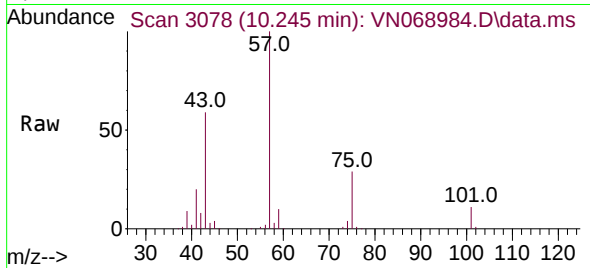




#54
 cis-1,3-Dichloropropene
 Concen: 8.893 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068984.D
 Acq: 18 Oct 2021 17:14

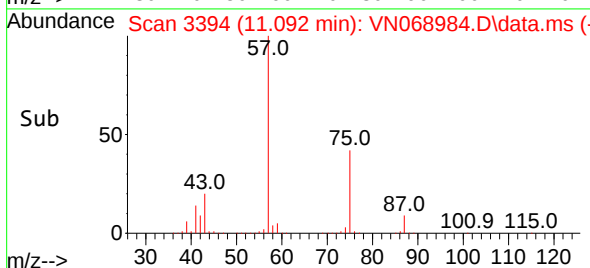
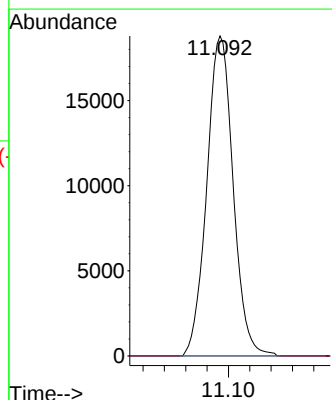
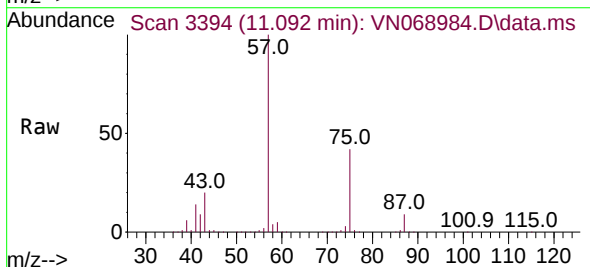
Instrument :
 MSVOA_N
 ClientSampled :

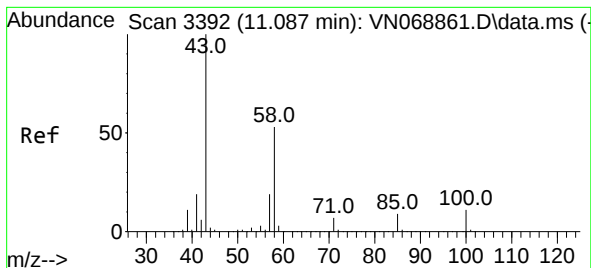
Tgt Ion: 75 Resp: 60209
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.6 38.4#
 39 31.6 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.914 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN068984.D
 Acq: 18 Oct 2021 17:14

Tgt Ion: 76 Resp: 32169
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

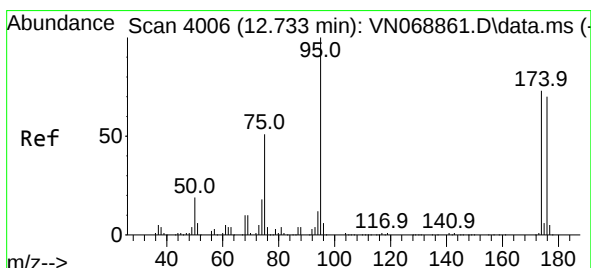
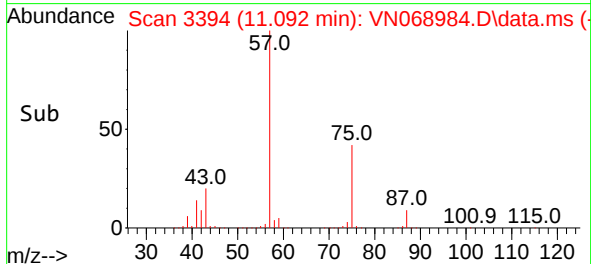
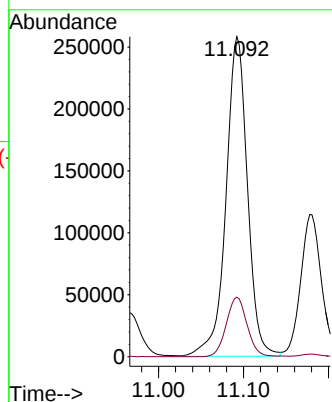
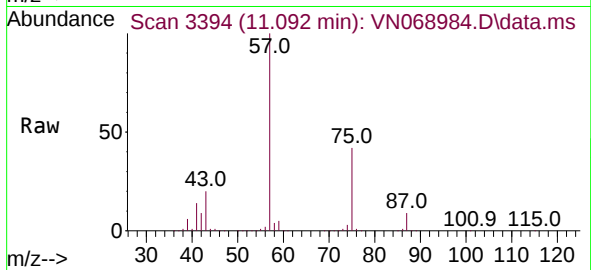




#59
2-Hexanone
Concen: 116.379 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

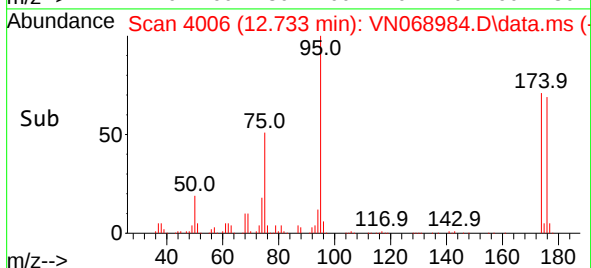
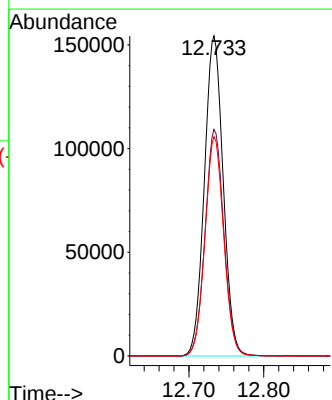
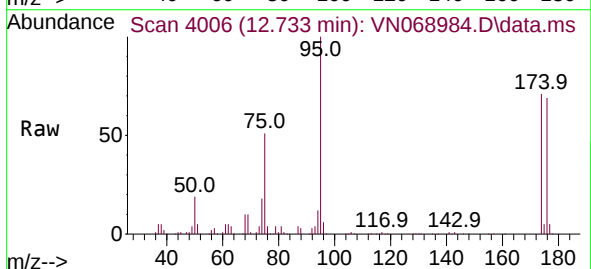
Instrument :
MSVOA_N
ClientSampleId :

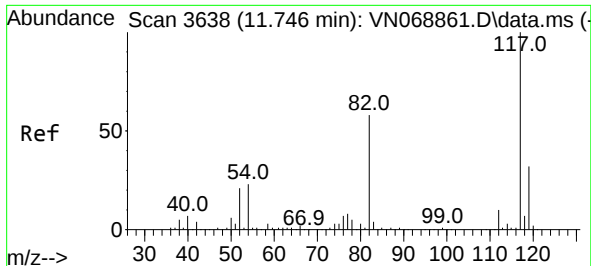
Tgt Ion: 43 Resp: 453252
Ion Ratio Lower Upper
43 100
58 18.1 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 51.130 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

Tgt Ion: 95 Resp: 270225
Ion Ratio Lower Upper
95 100
174 70.8 0.0 144.8
176 68.1 0.0 140.0

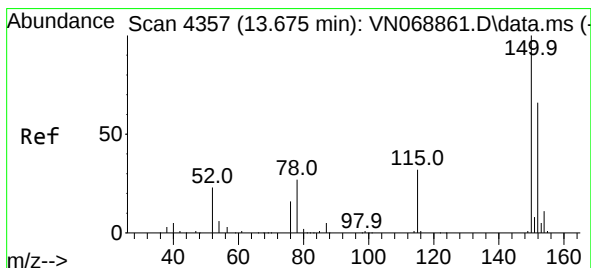
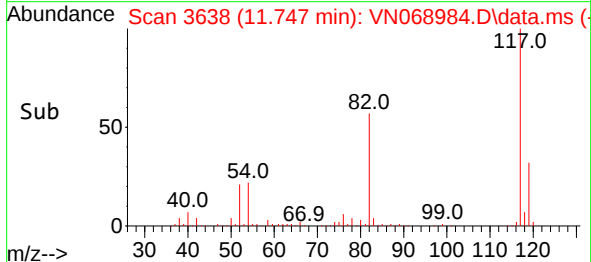
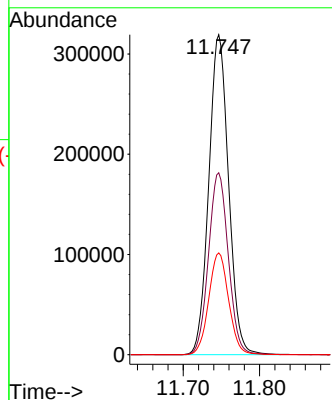
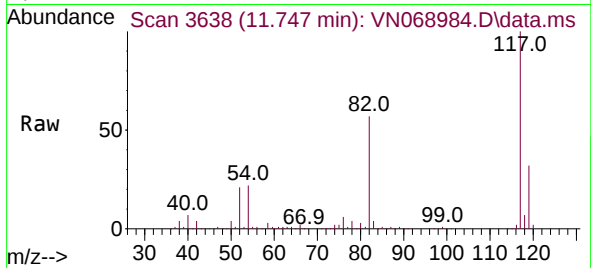




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

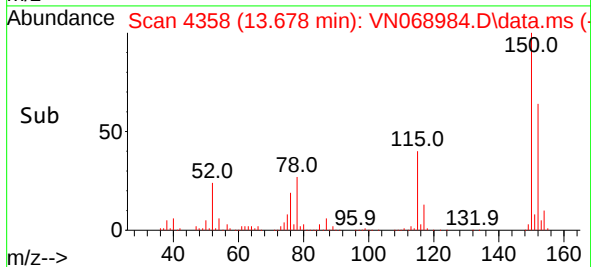
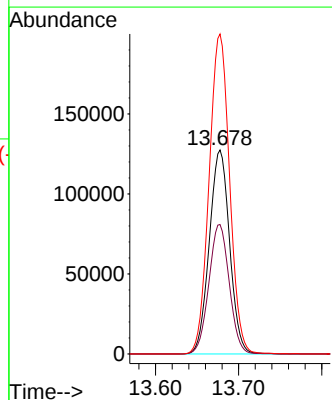
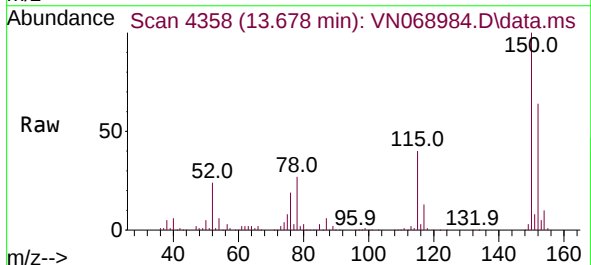
Instrument :
MSVOA_N
ClientSampleId :

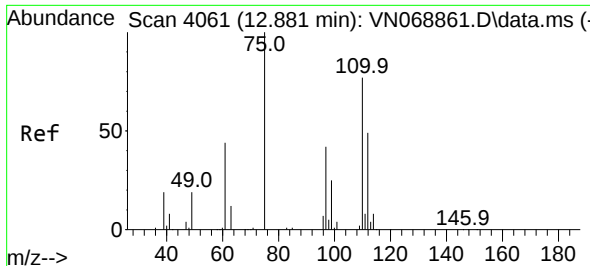
Tgt Ion:117 Resp: 574326
Ion Ratio Lower Upper
117 100
82 56.9 46.4 69.6
119 31.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

Tgt Ion:152 Resp: 216369
Ion Ratio Lower Upper
152 100
115 63.7 31.4 94.3
150 158.0 0.0 351.0

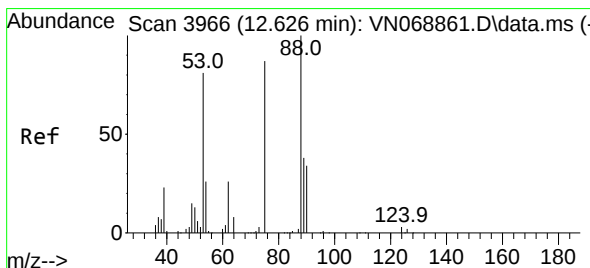
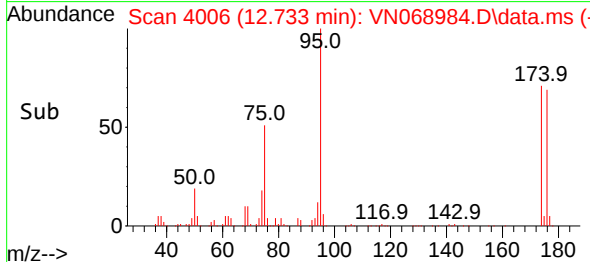
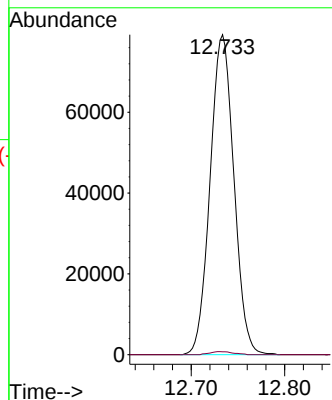
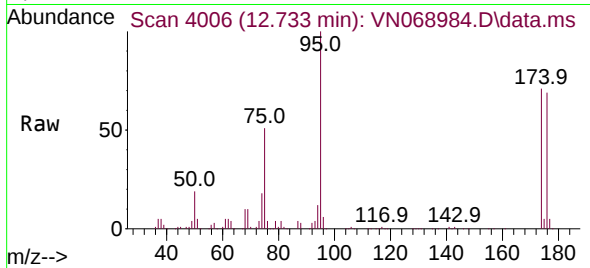




#76
1,2,3-Trichloropropane
Concen: 30.408 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

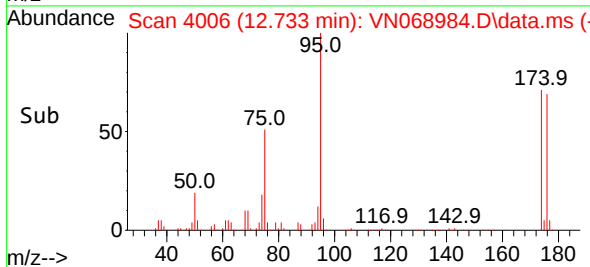
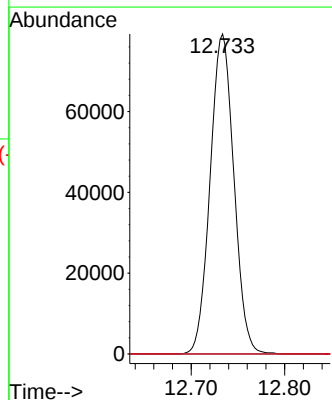
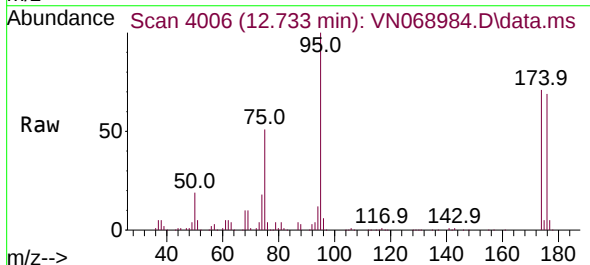
Instrument :
MSVOA_N
ClientSampleId :

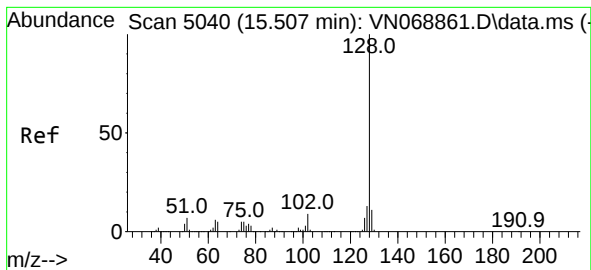
Tgt Ion: 75 Resp: 139990
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.749 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

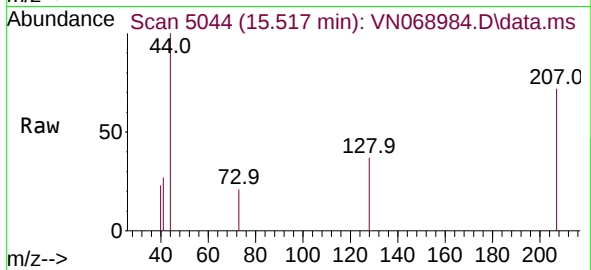
Tgt Ion: 75 Resp: 139990
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.845 ug/l
RT: 15.517 min Scan# 5044
Delta R.T. 0.010 min
Lab File: VN068984.D
Acq: 18 Oct 2021 17:14

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 361
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

