

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082721\
 Data File : VN068336.D
 Acq On : 27 Aug 2021 11:21
 Operator : JC/MD
 Sample : VN0827WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:25:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

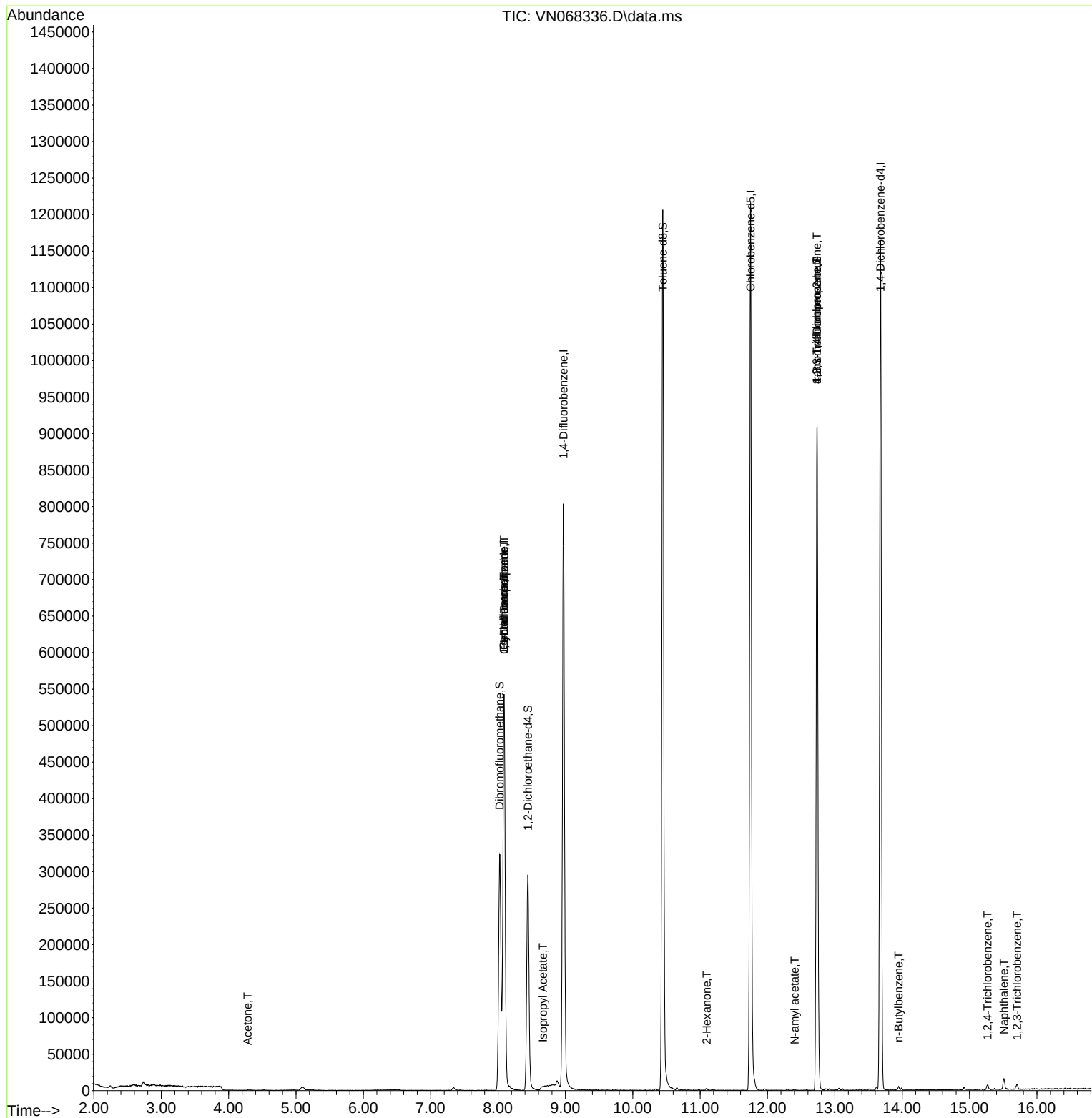
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	454937	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	770518	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	800293	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	348371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	258236	53.163	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.320%	
35) Dibromofluoromethane	8.024	113	234494	48.474	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.940%	
50) Toluene-d8	10.446	98	914279	49.601	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.200%	
62) 4-Bromofluorobenzene	12.734	95	314807	51.304	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.600%	
Target Compounds						Qvalue
5) Bromomethane	2.818	94	26	Below Cal	#	4
6) Chloroethane	3.030	64	227	Below Cal	#	44
13) Acrolein	4.039	56	88	Below Cal	#	14
16) Acetone	4.283	43	340	0.240	ug/l #	76
18) Methyl Acetate	4.875	43	25	Below Cal	#	54
20) Methylene Chloride	5.095	84	3530	Below Cal	#	80
31) Cyclohexane	8.088	56	7981	1.247	ug/l #	12
36) 1,1-Dichloropropene	8.091	75	29884	4.744	ug/l #	51
38) Carbon Tetrachloride	8.091	117	42454	5.844	ug/l #	17
43) Isopropyl Acetate	8.668	43	3925	0.457	ug/l #	58
59) 2-Hexanone	11.100	43	2511	0.685	ug/l	66
74) N-amyl acetate	12.404	43	1418	0.220	ug/l #	80
76) 1,2,3-Trichloropropane	12.734	75	160427	27.706	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	160427	90.770	ug/l #	6
89) n-Butylbenzene	13.946	91	3466	0.240	ug/l	96
93) 1,2,4-Trichlorobenzene	15.268	180	3004	3.174	ug/l #	50
95) Naphthalene	15.509	128	14954	4.365	ug/l	97
96) 1,2,3-Trichlorobenzene	15.705	180	3045	3.352	ug/l	90

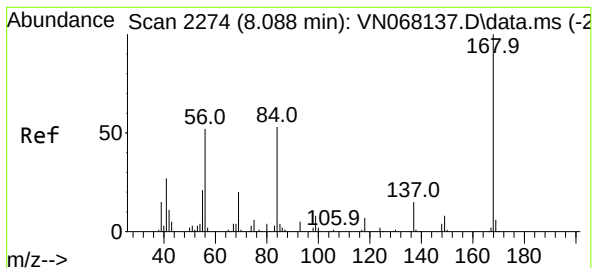
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068336.D

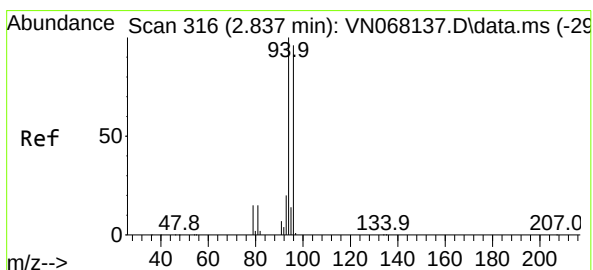
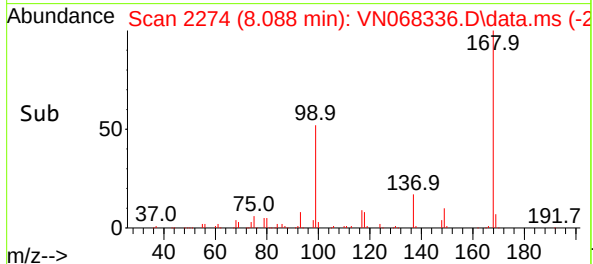
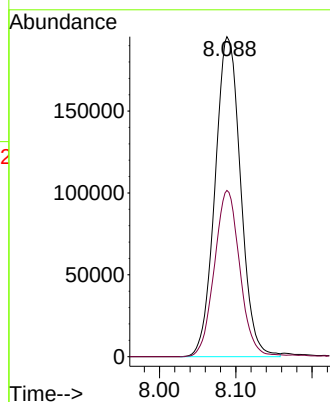
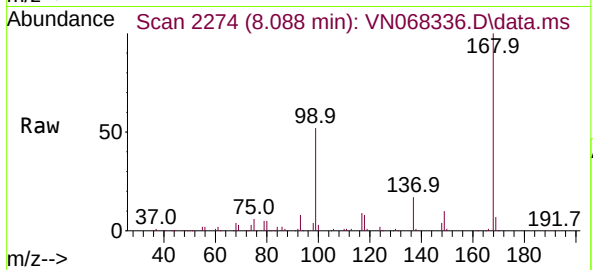
Acq: 27 Aug 2021 11:21

Tgt Ion:168 Resp: 454937

Ion Ratio Lower Upper

168 100

99 52.0 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.818 min Scan# 309

Delta R.T. -0.019 min

Lab File: VN068336.D

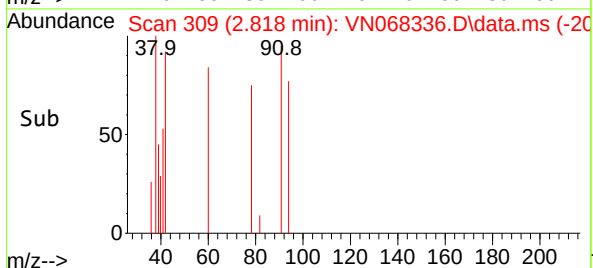
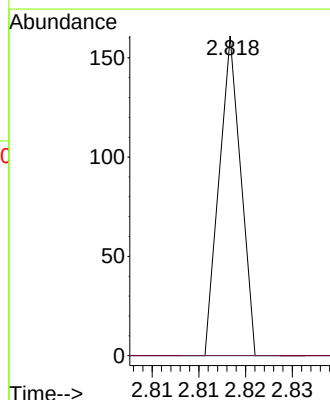
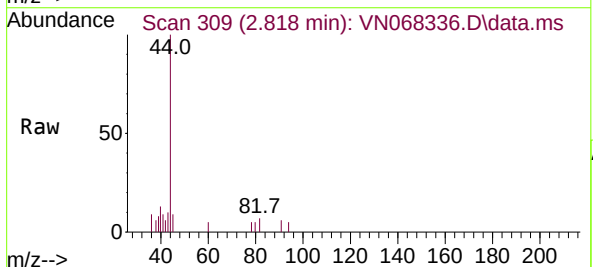
Acq: 27 Aug 2021 11:21

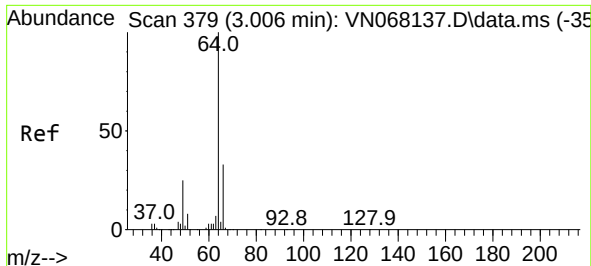
Tgt Ion: 94 Resp: 26

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

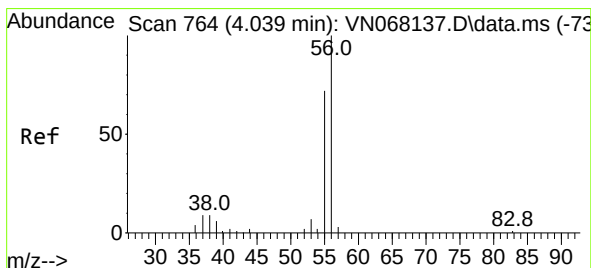
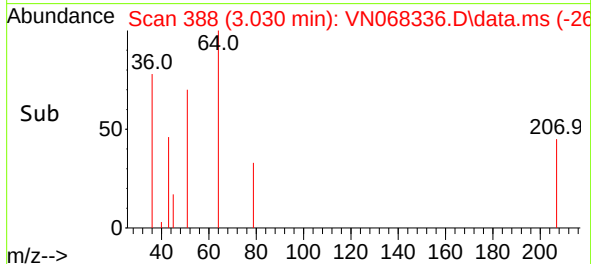
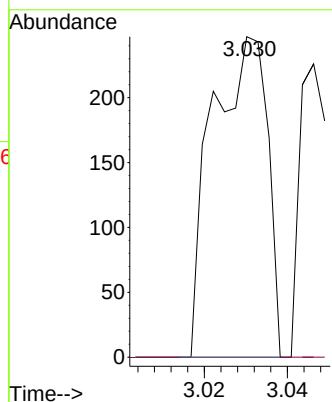
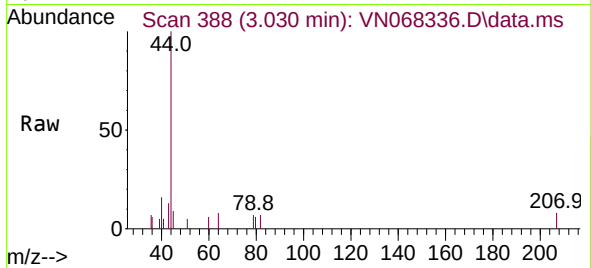




#6
Chloroethane
Concen: Below Cal
RT: 3.030 min Scan# 388
Delta R.T. 0.024 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

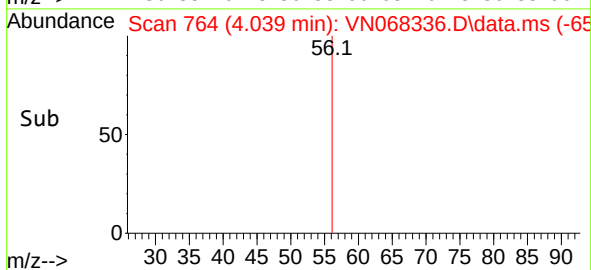
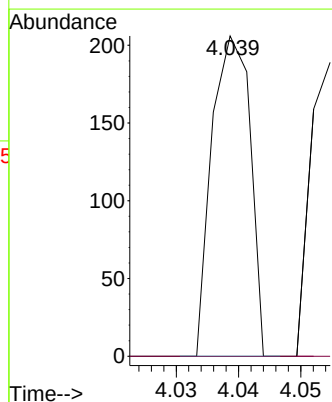
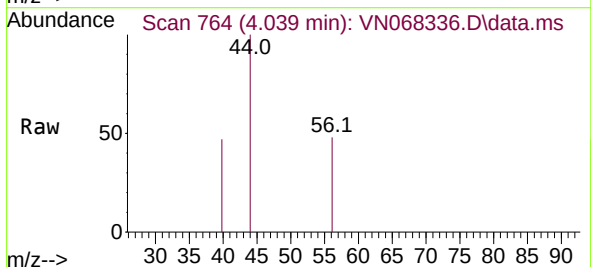
Instrument :
MSVOA_N
ClientSampled :

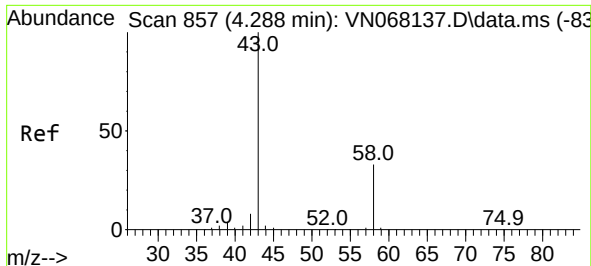
Tgt Ion: 64 Resp: 227
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.039 min Scan# 764
Delta R.T. -0.000 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

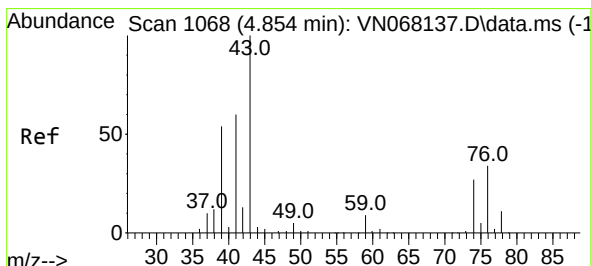
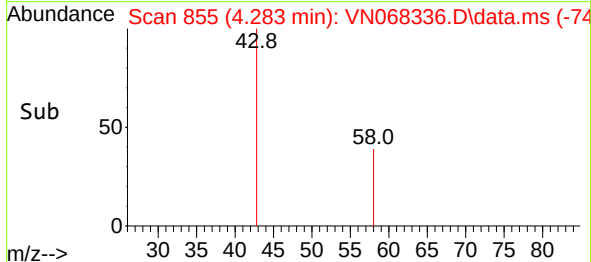
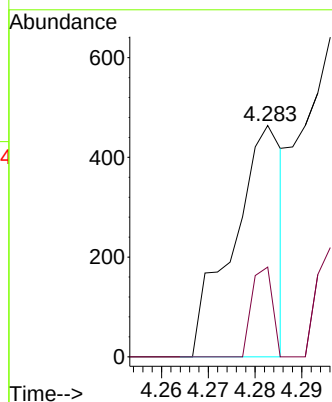
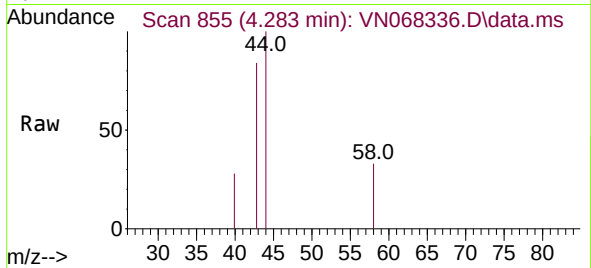




#16
Acetone
Concen: 0.240 ug/l
RT: 4.283 min Scan# 855
Delta R.T. -0.005 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

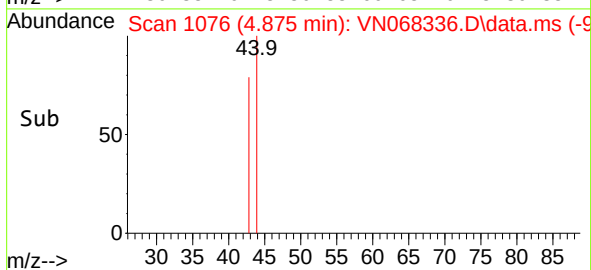
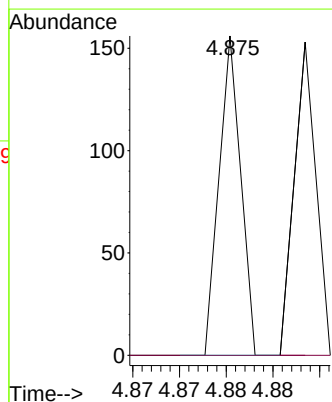
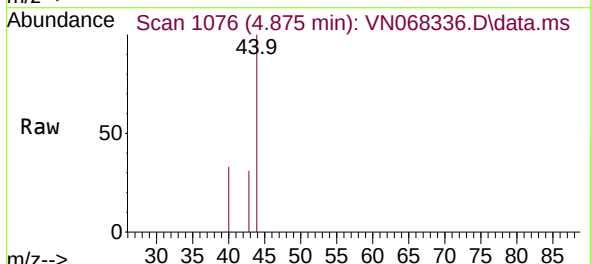
Instrument :
MSVOA_N
ClientSampled :

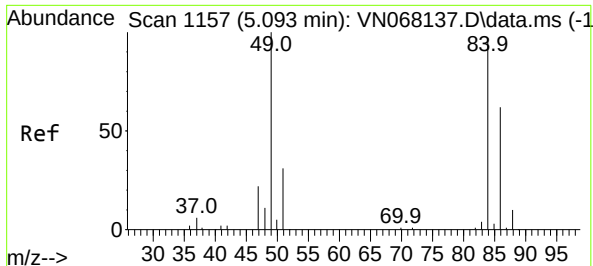
Tgt Ion: 43 Resp: 340
Ion Ratio Lower Upper
43 100
58 38.8 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.875 min Scan# 1076
Delta R.T. 0.021 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.095 min Scan# 1158

Delta R.T. 0.002 min

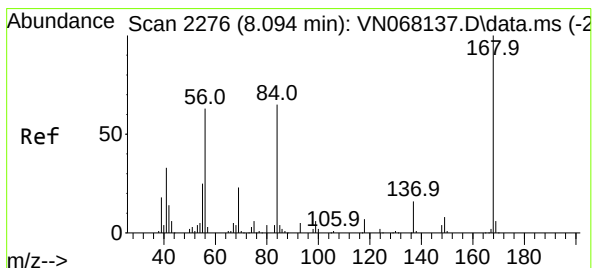
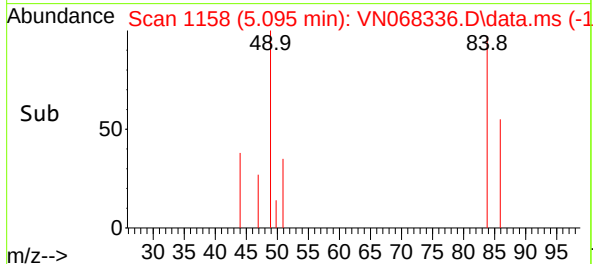
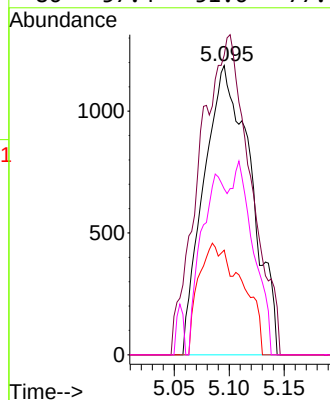
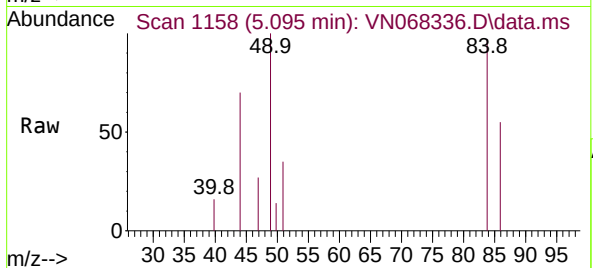
Lab File: VN068336.D

Acq: 27 Aug 2021 11:21

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 3530

Ion	Ratio	Lower	Upper
84	100		
49	103.6	110.9	166.3#
51	36.1	32.6	49.0
86	57.4	51.6	77.4



#31

Cyclohexane

Concen: 1.247 ug/l

RT: 8.088 min Scan# 2274

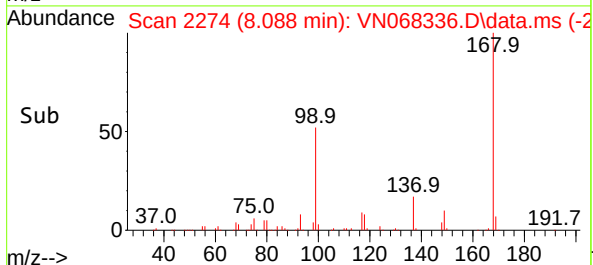
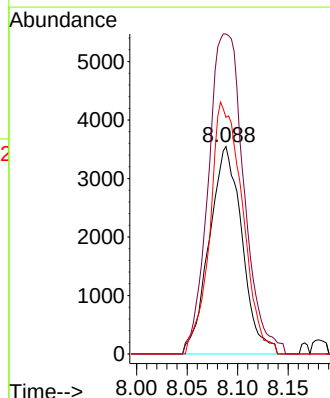
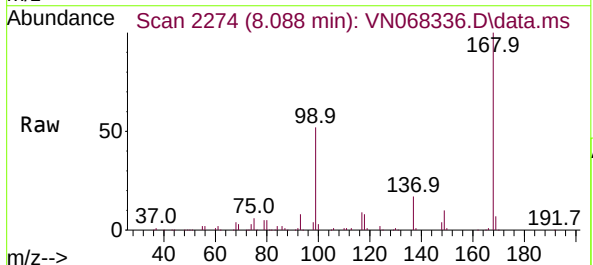
Delta R.T. -0.006 min

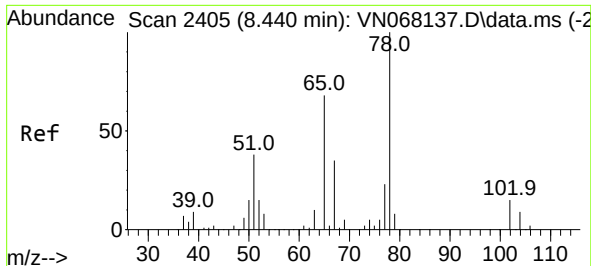
Lab File: VN068336.D

Acq: 27 Aug 2021 11:21

Tgt Ion: 56 Resp: 7981

Ion	Ratio	Lower	Upper
56	100		
69	154.3	27.3	40.9#
84	114.1	64.9	97.3#

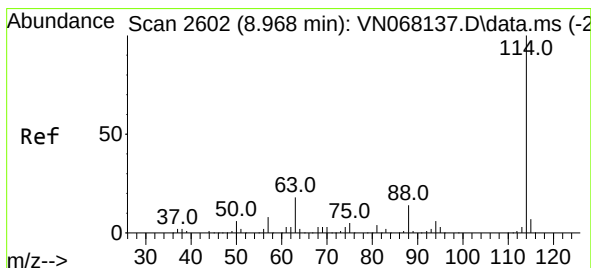
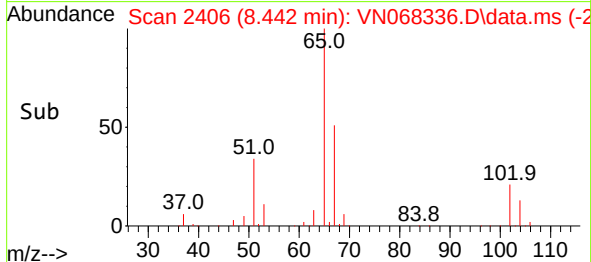
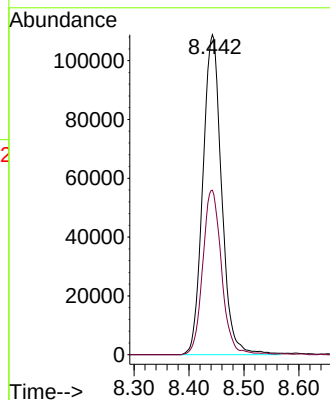
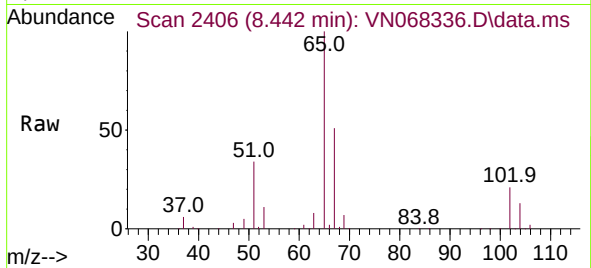




#33
 1,2-Dichloroethane-d4
 Concen: 53.163 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.002 min
 Lab File: VN068336.D
 Acq: 27 Aug 2021 11:21

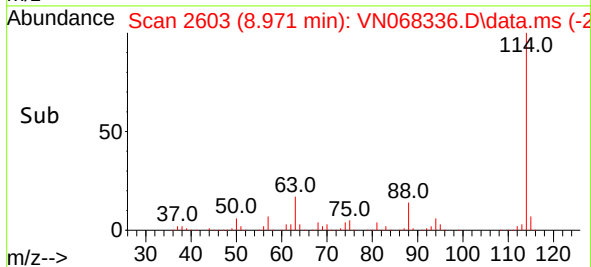
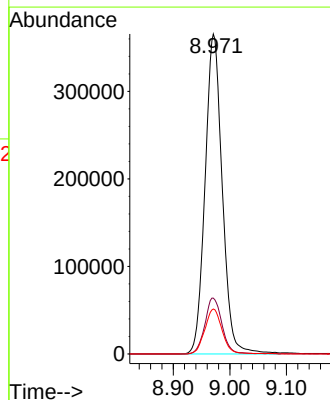
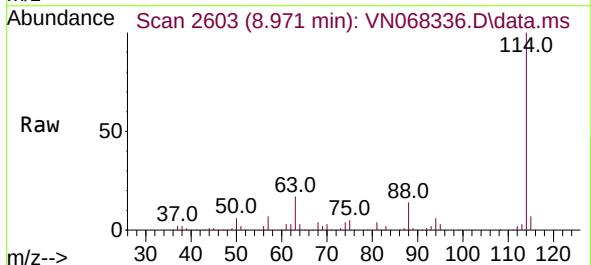
Instrument :
 MSVOA_N
 ClientSampled :

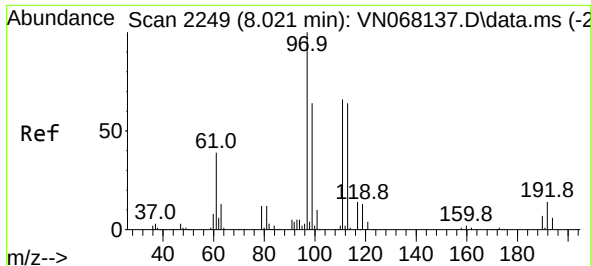
Tgt Ion: 65 Resp: 258236
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068336.D
 Acq: 27 Aug 2021 11:21

Tgt Ion: 114 Resp: 770518
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 49.0
 88 14.0 0.0 36.6

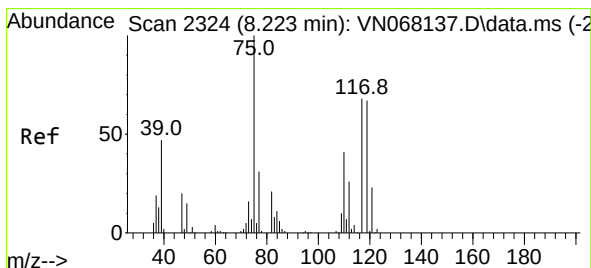
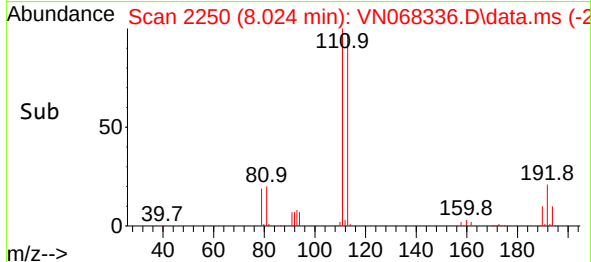
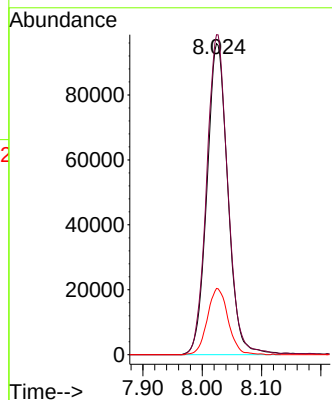
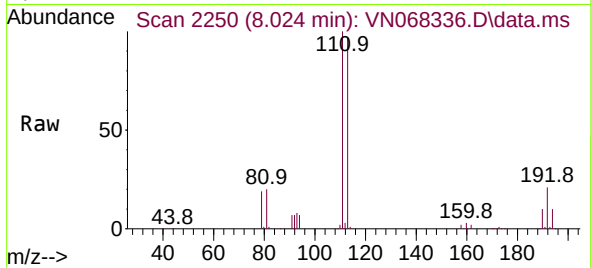




#35
Dibromofluoromethane
Concen: 48.474 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

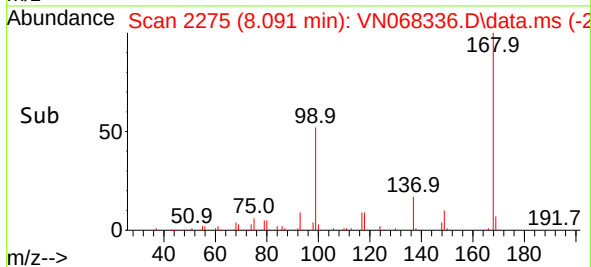
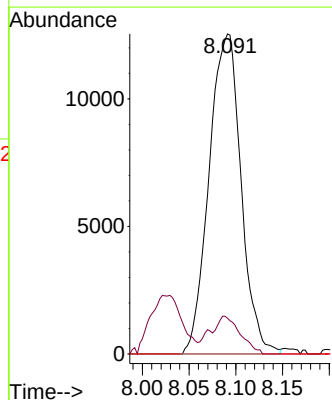
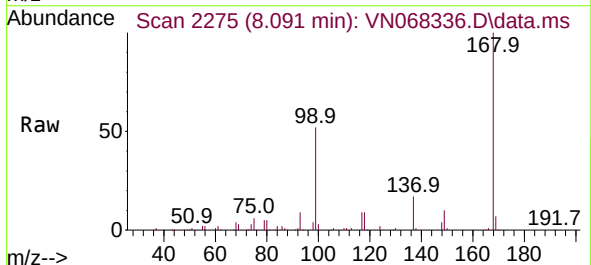
Instrument :
MSVOA_N
ClientSampled :

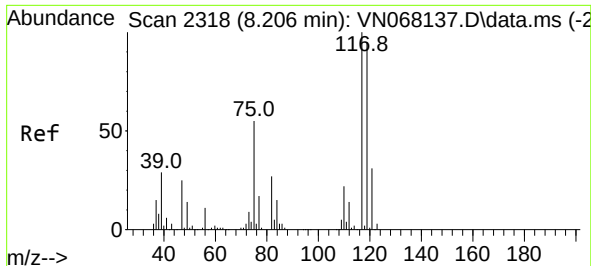
Tgt Ion:113 Resp: 234494
Ion Ratio Lower Upper
113 100
111 104.0 83.8 125.8
192 21.1 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.744 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.132 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

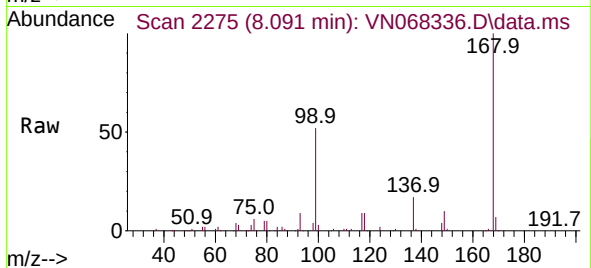
Tgt Ion: 75 Resp: 29884
Ion Ratio Lower Upper
75 100
110 8.7 15.7 47.0#
77 0.0 24.6 37.0#



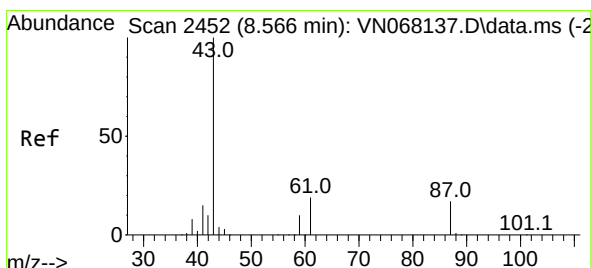
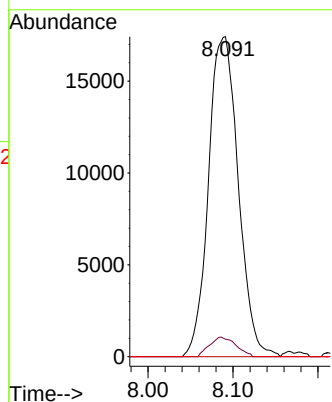
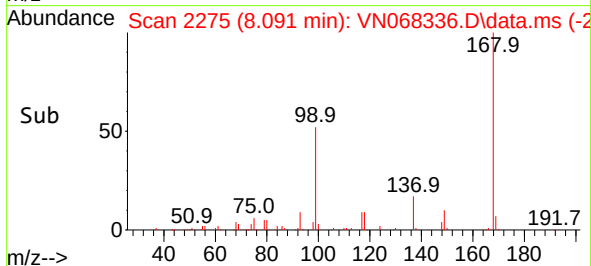


#38
Carbon Tetrachloride
Concen: 5.844 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

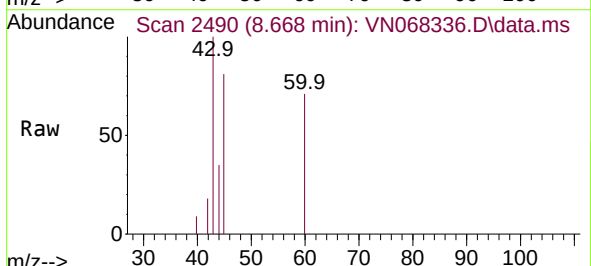
Instrument :
MSVOA_N
ClientSampled :



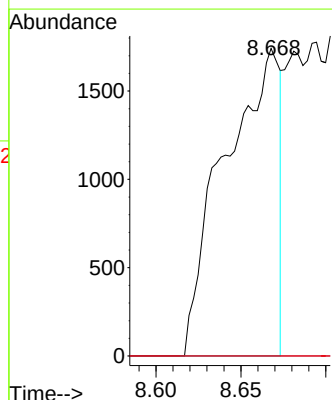
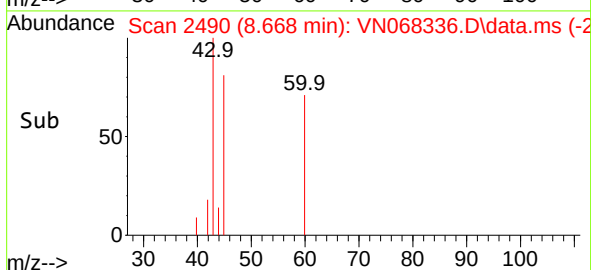
Tgt Ion:117 Resp: 42454
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 23.5 35.3#

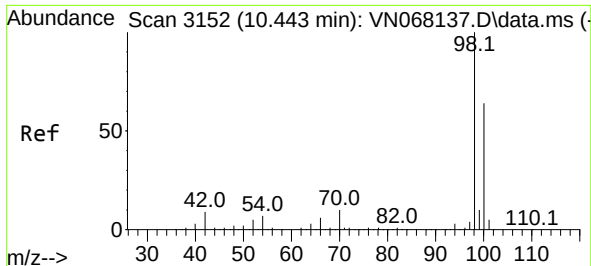


#43
Isopropyl Acetate
Concen: 0.457 ug/l
RT: 8.668 min Scan# 2490
Delta R.T. 0.102 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21



Tgt Ion: 43 Resp: 3925
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

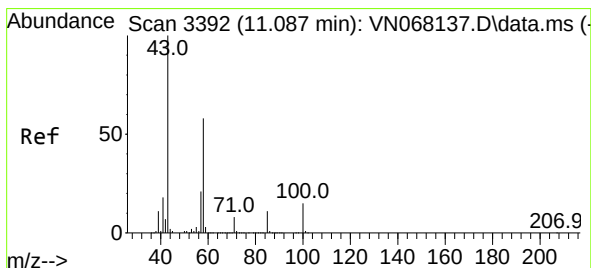
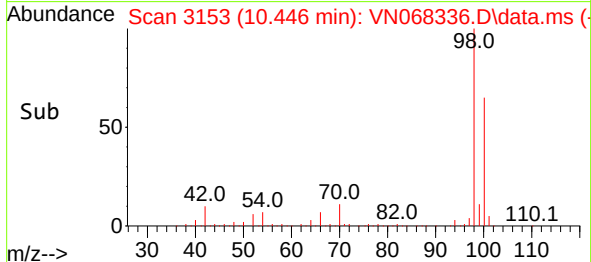
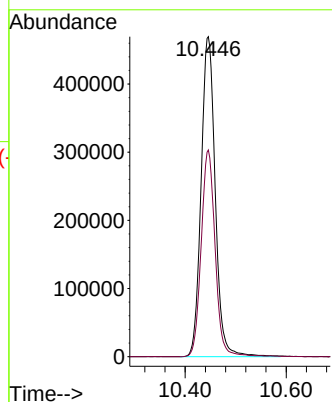
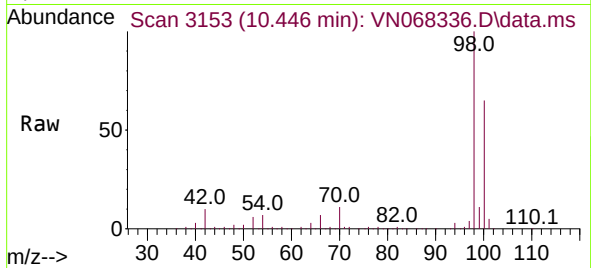




#50
Toluene-d8
Concen: 49.601 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

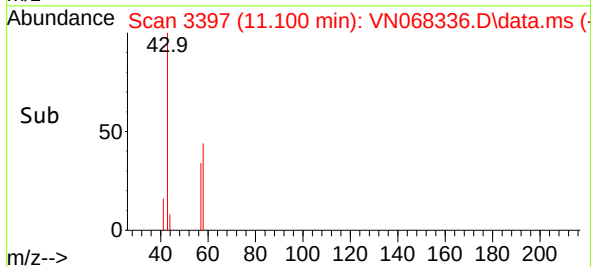
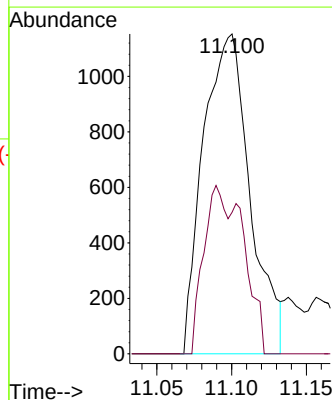
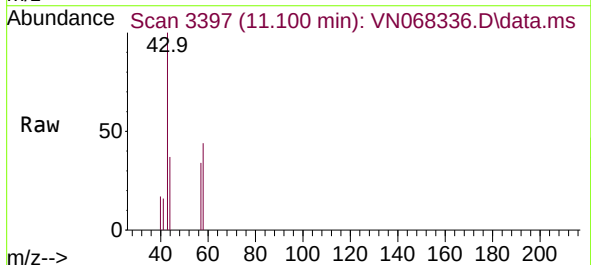
Instrument :
MSVOA_N
ClientSampled :

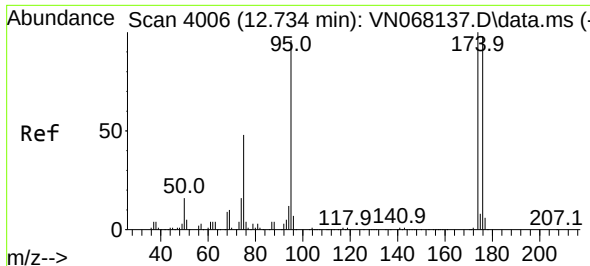
Tgt Ion: 98 Resp: 914279
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#59
2-Hexanone
Concen: 0.685 ug/l
RT: 11.100 min Scan# 3397
Delta R.T. 0.013 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

Tgt Ion: 43 Resp: 2511
Ion Ratio Lower Upper
43 100
58 26.2 24.7 74.1

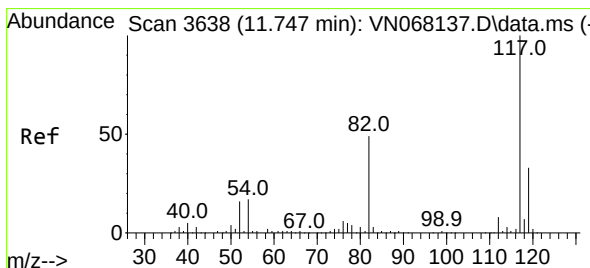
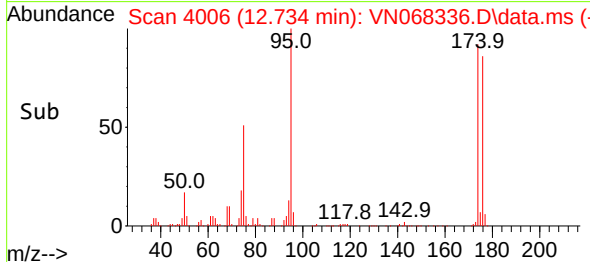
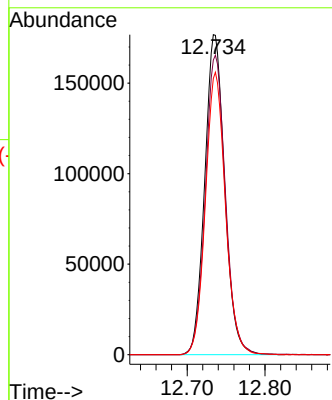
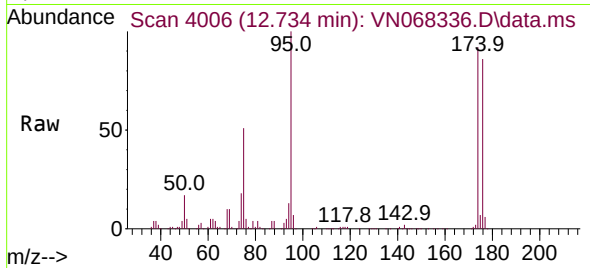




#62
4-Bromofluorobenzene
Concen: 51.304 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

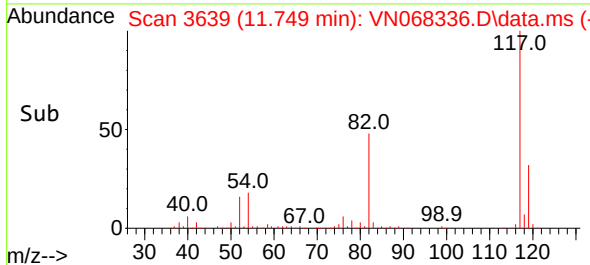
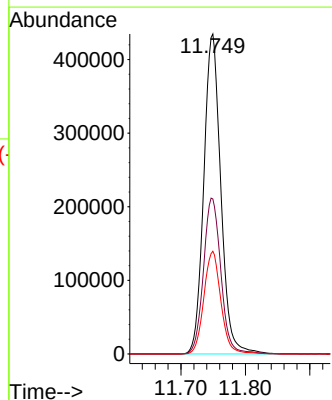
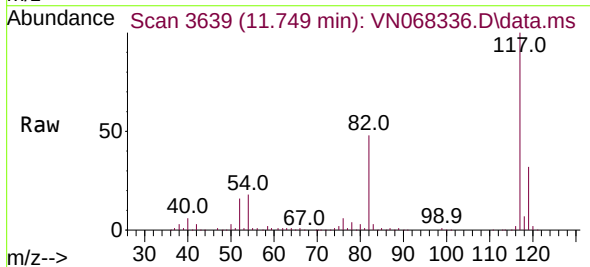
Instrument :
MSVOA_N
ClientSampleId :

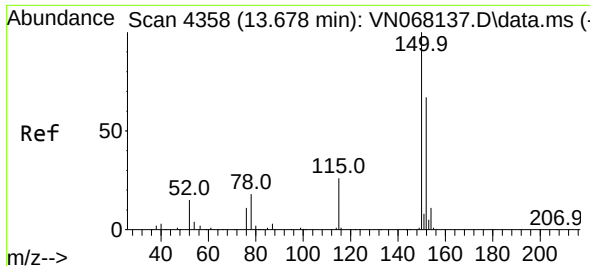
Tgt Ion: 95 Resp: 314807
Ion Ratio Lower Upper
95 100
174 94.8 0.0 122.0
176 88.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

Tgt Ion: 117 Resp: 800293
Ion Ratio Lower Upper
117 100
82 48.5 53.1 79.7#
119 32.1 25.5 38.3

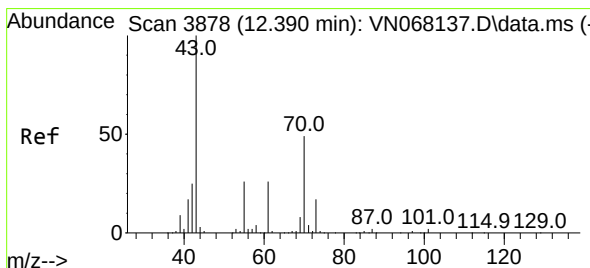
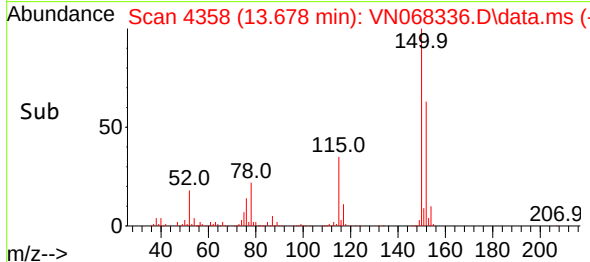
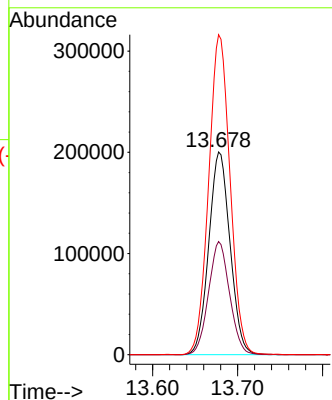
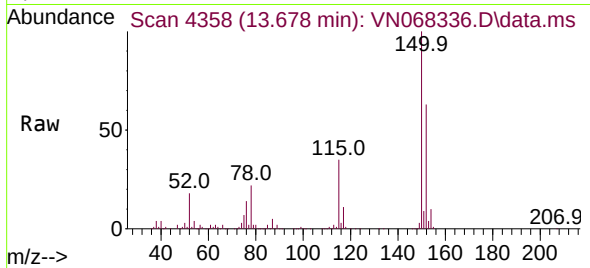




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

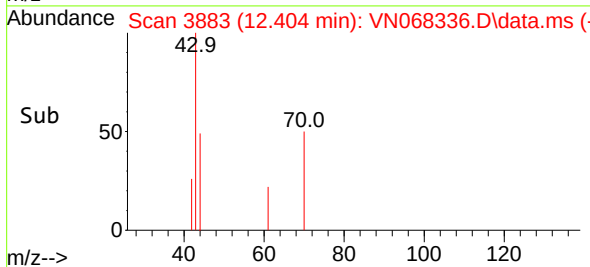
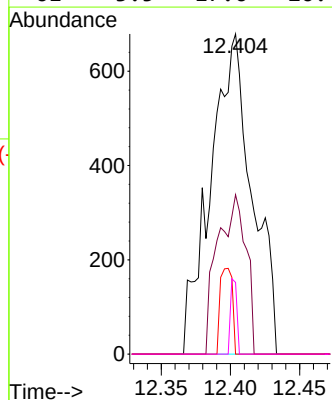
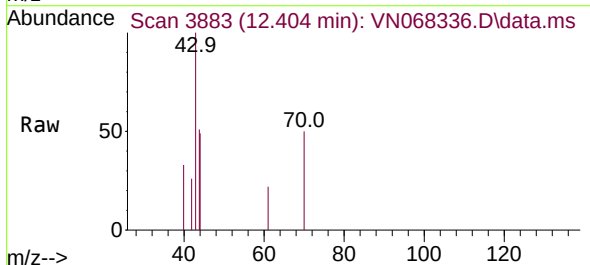
Instrument :
MSVOA_N
ClientSampled :

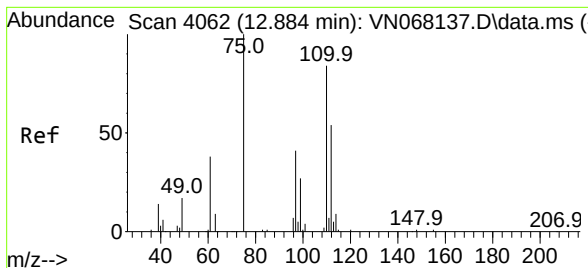
Tgt Ion:152 Resp: 348371
Ion Ratio Lower Upper
152 100
115 55.2 36.1 108.5
150 158.5 0.0 351.8



#74
N-ethyl acetate
Concen: 0.220 ug/l
RT: 12.404 min Scan# 3883
Delta R.T. 0.014 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

Tgt Ion: 43 Resp: 1418
Ion Ratio Lower Upper
43 100
70 33.9 29.4 44.2
55 7.8 17.0 25.4#
61 3.5 17.6 26.4#

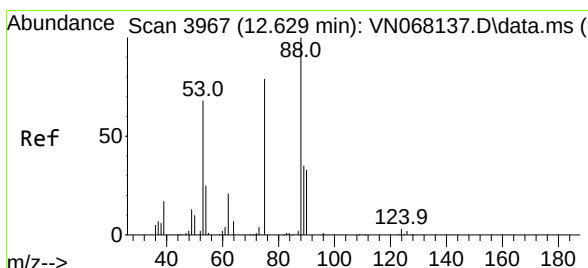
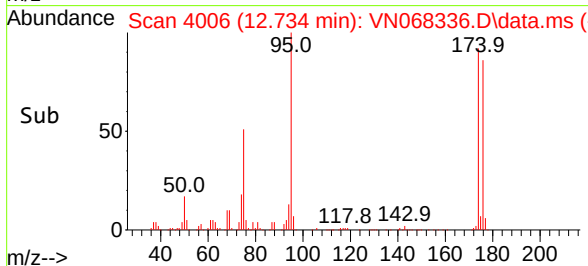
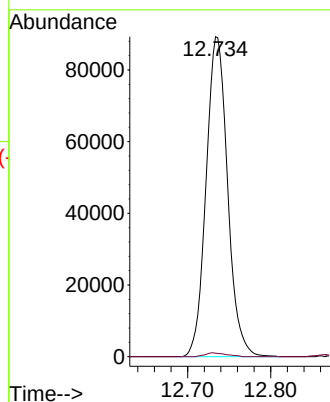
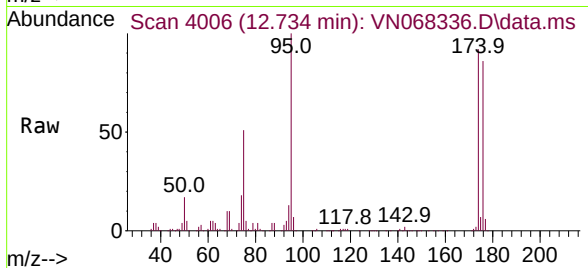




#76
1,2,3-Trichloropropane
Concen: 27.706 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

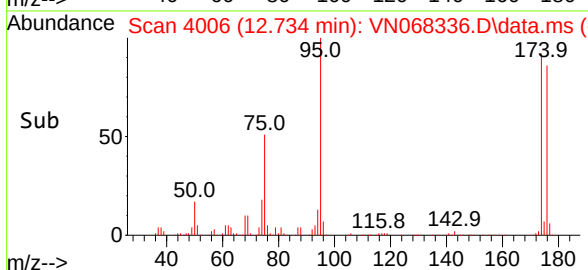
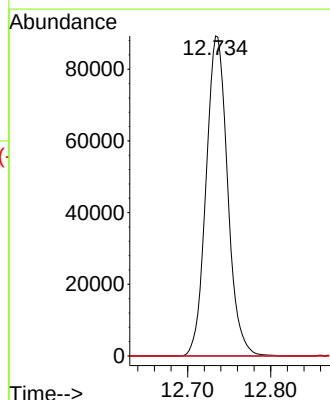
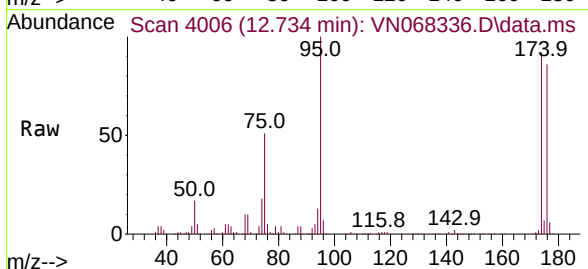
Instrument :
MSVOA_N
ClientSampled :

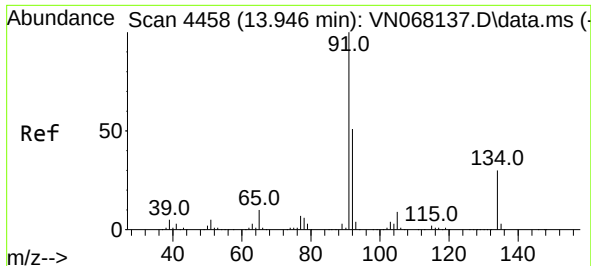
Tgt Ion: 75 Resp: 160427
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.770 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

Tgt Ion: 75 Resp: 160427
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

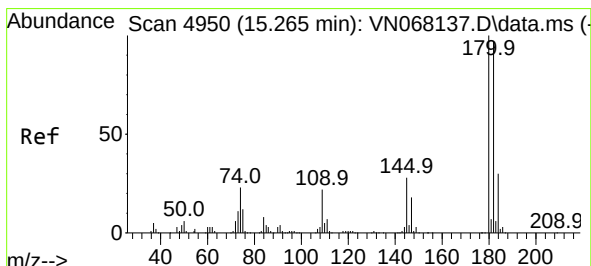
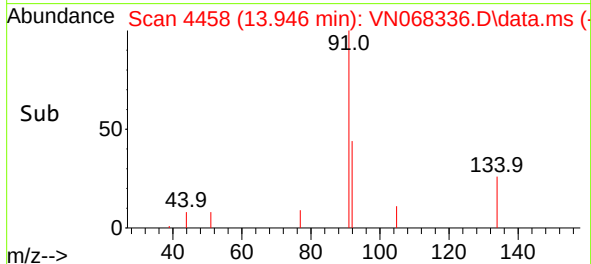
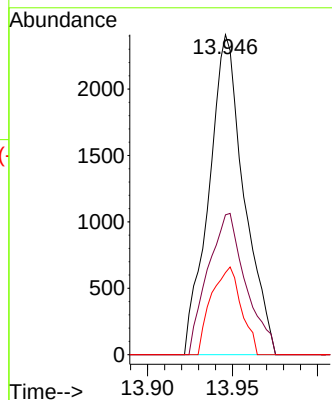
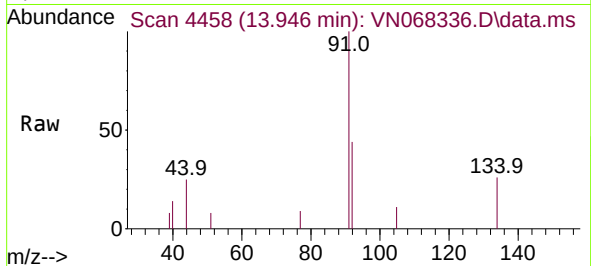




#89
n-Butylbenzene
Concen: 0.240 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

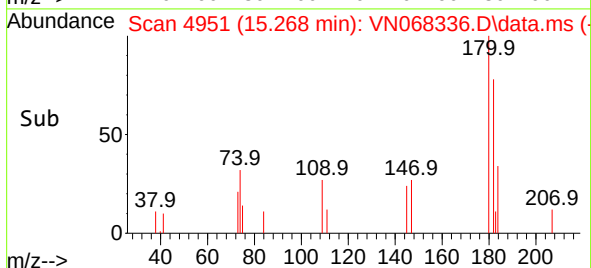
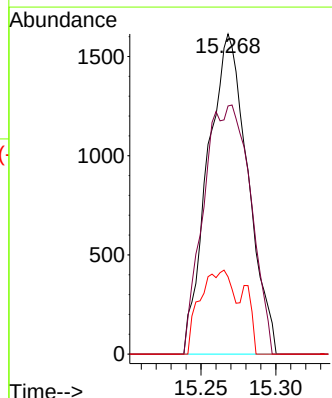
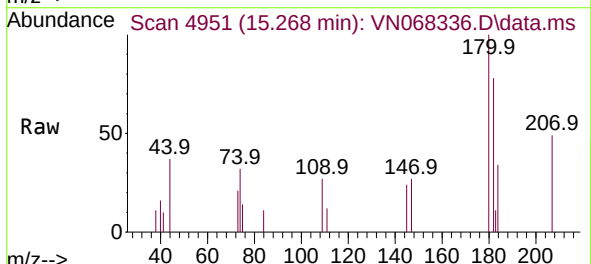
Instrument :
MSVOA_N
ClientSampled :

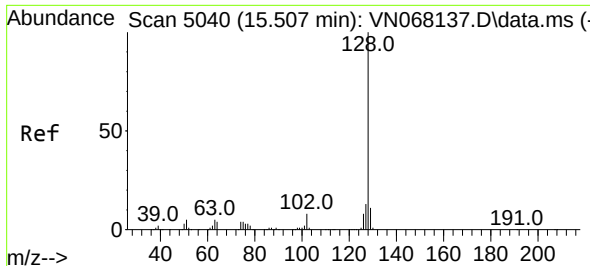
Tgt Ion: 91	Resp:	3466
Ion Ratio	Lower	Upper
91	100	
92	47.5	25.7 77.1
134	23.4	11.2 33.6



#93
1,2,4-Trichlorobenzene
Concen: 3.174 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

Tgt Ion: 180	Resp:	3004
Ion Ratio	Lower	Upper
180	100	
182	37.0	47.5 142.5#
145	21.5	17.2 51.6

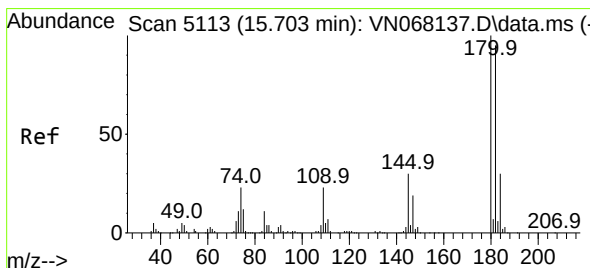
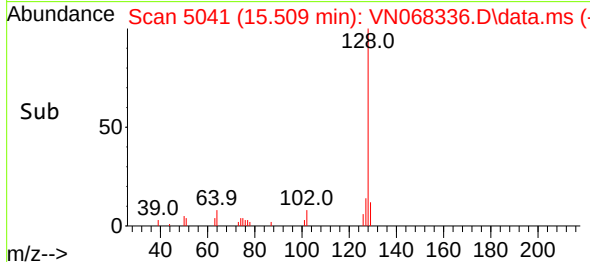
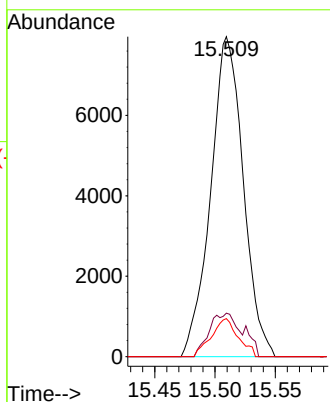
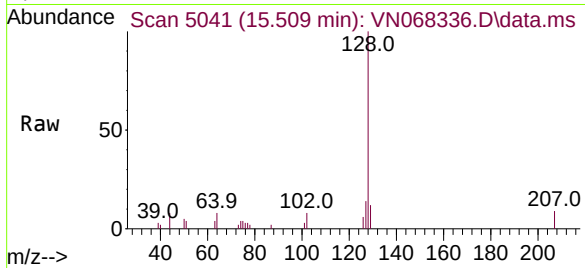




#95
Naphthalene
Concen: 4.365 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128	Resp:	14954
Ion Ratio	Lower	Upper
128	100	
127	11.8	10.6 15.8
129	9.8	8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.352 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.002 min
Lab File: VN068336.D
Acq: 27 Aug 2021 11:21

Tgt Ion:180	Resp:	3045
Ion Ratio	Lower	Upper
180	100	
182	100.1	47.8 143.3
145	22.7	18.2 54.6

